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The purpose of this publication is to bring recent, comprehensive information on the state's economy and labor force to human resource planners as well as the public. Many of the tables in the appendices were introduced in preceding reports. These earlier reports provide more detailed information on the sources of data and describe publications which outline the methods employed in gathering and providing these statistics. Many of the tables prepared for this report present current and preliminary data. In addition, revised data for tables found in earlier planning documents is also presented. Other tables, such as those stemming from the 1978 Census of Agriculture and the 1980 Census of Population and Housing, have not been published before. As an affiliate of the State Data Center, Job Service will be publishing additional labor market related tables from the 1980 Census as they become available.

A second purpose of this document is to provide a short-term forecast of the state's economy with particular emphasis on the anticipated effects of the economy on the labor market. Our forecasts of the rate of job growth by industrial sector are based upon assumptions about the nature and extent of demand for goods and services produced in the state, limiting factors such as the cost of credit, and on the historic performance of North Dakota's labor market. The key commercial and governmental resources used in forecasting agricultural exports, mining output, and interest rates are provided in the references section. Linking the demand for exports to the labor market was accomplished, in large part, through a consensus among local labor market analysts.

There is a temptation to cover the entire economy and present a holistic, symmetrical forecast. But the odds argue that demand factors will change to some degree in unknown ways. Of course, as this happens, the economy and labor market will respond in ways that are predictable only within a range of activity. Third, there are dilemmas and contradictions in the way the population and the economy relate to one another that are being resolved in historically novel ways. And fourth, there are policy choices, especially with respect to the federal budget, that will affect the performance of the economy over the next several years. Finally, the cumulative impact of these four factors means that the permutations of likely futures are nearly infinite.

Any forecast of the major themes and likely outcomes in the 1982 and 1983 economy would appear to suffer the strong possibility of major error. However, people act within the context of what they believe about the future. And most often, these beliefs, regardless of their validity, remain informal, undisclosed, and unexamined. To the extent that assumptions about the future remain as part of the unexamined background, they tend to master our understanding of the economy, and our knowledge of the labor market is that much more limited. All formal forecasts attempt to bring to the level of discussion the types of unstated assumptions so often made about the future. To the extent that formal forecasts are successful in this attempt, they perform the function of being a tool for thinking about the future rather than operating as a blueprint for its development.

The total value of agricultural exports is not expected to advance in any substantial way during 1982 or 1983. Secondly, after two years of 9 percent+ growth rates (national basis), the index of industrial production for oil and gas extraction is expected to remain within the 2.4 to 4.4 per annum growth range for the period 1982 to 1984. Finally, home mortgage interest rates are not expected to fall below 15 percent for any sustained period until the third quarter of 1983. In summary, the export demand for basic goods originating in North Dakota is unlikely to see a surge in 1982 or 1983, and continued atypically high interest rates will make farm and construction businesses far less profitable than they were only a few years ago. As a result, the rate of job growth in North Dakota is unlikely to exceed 2 percent during 1982 or 3 percent during 1983.

Obviously, crop or trade disasters relating to the situation in Poland, the conflict over the Falkland Islands, events in the countries of the Near East, or other unforeseen calamities could have a positive affect on the demand for agricultural goods or oil and gas exploration in North Dakota. However, since econometric forecasts are based on reoccurring historic relationships among factors, special forecasts relating to unique international disasters are difficult to defend. It is necessary that the forecast presented here be interpreted in that light.

Although consumer spending in the second half of 1982, and during 1983, could lead to higher farm prices, a huge 1981 crop and inventory buildup are depressing prices. Nationally, in comparison to 1981 exports, the value of exports to depressed economies around the world is expected to drop by 4.1 percent during 1982 and rise by 4.8 percent during 1983. As noted earlier, the

high price of financing production costs continues to play a critical role in declining farm income. The results of these interpretations of the available data are that farm proprietors' income may decline by as much as 11.5 percent from 1981 to 1982. (Chase: C-36)

On the positive side, a declining pork supply could lead to higher prices for meat during 1982 and 1983. Further, falling petroleum prices are likely to reduce total production expenditures in this energy-intensive industry as well as slowing inflation at the producer level in general. Stable, if not falling, energy prices will ease constraints on farm and nonfarm business activity and enhance the probability of increased income for all proprietors. In summary, we expect 1982 agricultural employment to increase by less than 1 percent, for farm input costs (with the strong exception of money) to slow substantially, and for gross farm income to decline somewhat.

The rate of job growth in the mining industry is expected to slow to the 5 to 6 percent range for 1982 and 1983.

With home mortgage interest rates remaining in the 15 to 16 percent range between now and the third quarter of 1983, recovery in the construction industry is expected to be slow and steady.[1/]

> "In addition, a number of basic public policy changes now underway will affect future construction work. Some provisions of the Economic Recovery Tax Act of 1981 are of particular importance . . . The Act (1) authorizes businesses . . . to write off their investments in building over a 15-year period; (2) establishes an "All Savers" certificate, which may add to the funds available for home mortgages and farm construction in 1982 . . . (and) . . . authorizes investment tax credits for rehabilitation work on older commercial, and historic structures . . .
>
> Also of importance . . . is the phasing out of ceilings on interest rates on savings accounts (the ceilings are scheduled to be completely eliminated in 1986) . . ." (Commerce: 2)

Even with these additional considerations, employment growth in housing construction is likely to be very moderate since equipment and employee capacity utilization is depressed. The major cause of the expected 8.6 percent increase in construction employment during 1982 is the forecast of 3,400+ jobs associated with the synthetic natural gas plant and other facilities being built in Mercer County. (ITAT: 8)

[1/] New Housing Units Authorized in Permit Issuing Places for North Dakota: 1977--6,486; 1978--5,989; 1979--4,833; 1980--3,141; 1981--1,760 estimated; 1982--2,400 projected.

With consumer spending increasing at a rate of only 1.5 percent during 1981, inventories of manufactured goods have accumulated. These accumulated goods, especially durable manufactured goods, require financing at quite high interest rates. In North Dakota, with the forecast for farm producer markets declining or stabilizing at a low level, the prospects for a resurgence in employment among durable goods, primarily farm machinery manufacturers, are not good. The main thrust in the 2 percent expected rate of employment growth in manufacturing, during 1982, is in nondurable manufacturing, primarily food processing. We expect the number of jobs in manufacturing to average 15,600 during 1982, returning to its 1980 employment level.

Under circumstances of moderate farm income expectations, projected high interest rates, a slowing demand for petroleum products, and moderate growth in nondurable manufacturing, employment in other sectors of North Dakota's economy is expected to show only slight growth or to decline somewhat during 1982. Given the employment performance of the first quarter, and the history of job growth in North Dakota (see Table 16), we expect nonagricultural wage and salary jobs to increase in retail trade by 1.3 percent; finance, insurance, and real estate by 2.1 percent; and in services by 3.4 percent. Industries declining in employment are expected to be government at -0.7 percent, wholesale trade -0.3 percent; and transportation, communications, and public utilities losing -1.2 percent of its jobs. The net result is that unemployment is expected to rise slightly to 5.1 percent with 17,200 persons unemployed.

Although it is often thought that consumer demand and employment growth are related, the relationship is not always straightforward. Individuals may earn more or less depending upon the types of jobs they have. Indeed, overall earnings may rise even while total employment declines. As the most recent data indicates, from 1979 to 1980 (Table 23) the number of job insurance covered jobs declined by -0.5 percent while average earnings per job increased by 9.4 percent. The pattern of average earnings per job increasing faster than the rate of job growth itself is a pattern we expect to see repeated during 1982. And this is important because the rate of wage and salary growth, both before and after taxes, is expected to play a crucial role in recovery from recession.

Consumer spending is a key driving factor in any economy, and some have suggested that the "recovery will be led by a pick-up in consumer spending." Consumer spending this summer will be spurred " . . . the personal tax cut

which takes place on July 1 . . . Social Security benefits . . . rise(ing) by about 7-1/2% on July 1 . . . less restrictive . . . " attempts on the part of the Federal Reserve Board to contain the money supply, and ". . . the slowdown in inflation . . . stimulate(ing) . . . the economy, primarily by bolstering purchasing power and reducing business cost." (Chase: A-34) Although farm production expenditures and capital spending play a larger role in our local economy than is the case nationally, income from nonfarm wage and salary employment is the primary source of consumer spending in North Dakota.

Principal measures of consumer spending potential are personal income and per capita personal income (personal income/population), graphically portrayed in Figure II. The constant dollar (solid) line in Figure II and the related data in Tables 20 and 21 suggests that per capita personal income in North Dakota only makes real headway against inflation during years of substantial agricultural prosperity. Personal income preliminary estimates are available through 1980 with the most recent estimates becoming available just prior to the publication of this document.

Although the volume of dollars passing through farmers' hands as gross income and expenditures is often double the wages and salaries of nonfarm workers, farmers retain comparatively little of gross income as personal income. Thus, the bulk (78.5 percent) of personal income in North Dakota--as shown in Table 20, Part A, and Table 21--is in the form of wage and salary disbursements. Moreover, information concerning 93.6 percent (in 1979) of all wage and salary disbursements is managed by Job Service North Dakota. One of the benefits of this fact is that consumption potential information, measured in terms of nonfarm gross wages and salaries, is available for more recent time periods than personal income data. In addition, and as importantly, income and consumer demand potential can be related to current labor market conditions (see Table 22 and 23).

At 1.14 billion in real dollars (3.1 billion nominal dollars, see Table 22), wage and salary disbursements in 1981 were 2.9 percent more than they were in 1980 but 1.7 percent less than they were in 1979. These were years of double-digit inflation. With inflation expected to be in the vicinity of 7 percent for 1982, wages and salaries will have to be paid at a rate of $3.3 billion in order to stay even with before tax 1981 salaries. The 3.3 billion rate of increase is lower than the 8.8 percent rate of increase which took

place during the drought/recession of 1979-1980. An increase in wage and salary disbursements beyond the 7 percent rate of increase, even before the mid-year tax reduction, is likely to have a noticeable effect upon local consumer demand.

But, even under this positive growth scenario, it is unlikely that there will be enough jobs for all who need or want them. And slow growth in employment opportunities, especially now, has important social as well as economic consequences that did not exist during prior recessionary times.

From 1975 to 1979, nonagricultural wage and salary job growth averaged 10,150 per year. As is shown in Table 16, nonagricultural wage and salary jobs increased by 5.8 percent from 1977 to 1978, and by 4.4 percent to 248,560 jobs by 1979.

At the same time, during the late 1970s, the number of youth was increasing rapidly and both youth and women were becoming more actively involved in the labor market. And the first wave of the baby boom generation was entering adulthood. Over the time period 1975 to 1979, the prime working and earning age group of 25-44 was expanding at a rate of 5,300 persons per year. The lead cohort of the baby boom generation was entering adulthood, the labor market, and there were jobs for most of them.

There were a variety of jobs because a variety of industries were undergoing a relatively rapid growth. Numerically, the greatest growth in jobs, from 1977 to 1979, was in services with 5,010 jobs, government with 3,060 jobs, and in five other major industries each adding between 2,200 and 2,700 jobs. During the second half of the 1970s, the labor market was able to accommodate a large number of people who wanted jobs, providing both substantial increases in the number and variety of jobs.[2/]

Job growth in the late 1970s was accompanied by population growth and by increased participation in the labor force. Now, however, the main body of young adults is moving into middle age. The increase of 5,300 annually in the age group 25-44 was only the leading crest of the baby boom generation. From 1980 to 1985, we expect the number of persons aged 25-44 to increase by more than 35,000 individuals, or by slightly more than 7,000 per year (see Table 7). During the same period, the number of 16-24 year-olds will decrease

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[2/] Appendix VI contains summary staffing pattern statistics for several industries in North Dakota. Given an overall employment growth pattern in an industry, these Occupational Employment Statistics tables are the starting point in identifying the likely occupational configuration of job growth.

by 16 percent. It is not at all certain that the labor market will meet the needs of the large numbers of people moving into adulthood. Nor is it clear that the needs of employers dependent upon labor which has only a limited attachment to labor market, such as youth, will be met.

National statistics for 1981, showing employment by occupation, age, and sex are presented in Table 24. These statistics give us some insight into how the structure of job holding changes as one ages and moves through various life stages.

The data in Table 24 reveals, for example, that youth age 16-24 are disproportionately represented in such occupations as service workers, especially food service workers, in unpaid (family) farm labor jobs and, in addition, occupy 43.8 percent of nonfarm labor jobs. With the number of individuals in the age group 16-24 in the process of declining by 16 percent from 1980 to 1985 (in North Dakota), it would appear that employers dependant upon youth for their labor may be facing more difficult recruitment problems as the economy improves.

In contrast to what was happening during the late 1970s, the number of 25-44 year-olds is currently increasing at a rate 32 percent faster than it was. But wage and salary jobs have been increasing at only 36.4 percent of their former growth rate.[3/]

Not only is job growth much slower, job growth since 1980 has been concentrated primarily in two industries. Over four-fifths of all new jobs since 1980 have arisen in mining (39.7 percent) and in services (48.4 percent). Slow employment growth and narrowness in the industrial and occupational types of jobs available has characterized the labor market during 1980-1982.

As most commercial econometric forecasts point out, individuals at different life stages have different consumption patterns--particularly in terms of housing, durable goods, and entertainment. But a population's life stage is also associated with distinct social goals, governmental service requirements, and expectations about the performance of the labor market. Thus, middle-aged individuals tend not only to create an increased level of consumer demand but also add a particular character to the nature of demand. These features of the

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3/ Wage and salary jobs have been increasing at a rate of 3,690 per year in contrast to an increase of 10,150 per year during 1975-1979. The current growth estimate is based on 1980 and 1981 actual data, and 1982 projected wage and salary job growth.

25-44 year-old age group are given an opportunity to arise because the types of jobs these individuals work are associated with greater prestige and economic reward.

Economic reward in the form of proprietors' and laborers' income translates into consumer demand. That is, if the jobs are there. Over one-half of all working youth (ages 16-24, see Table 24) are employed in three major occupational categories with average weekly earnings of less than $240.

Only 22.5 percent of all youth work in occupations with median weekly earnings of $363 or more. On the other hand, 46.5 percent of employment for the 25-44 year-old age group falls into occupational categories earning from 52.5 to 72.7 percent more in average earnings than most 16-24 year-olds. Individuals aged 25-44, in the fourth quarter of 1981, had average weekly earnings of $400[4/] for professional, technical, and kindred occupations; $411 for nonfarm managers and administrators; and $363 for crafts, foremen, and kindred workers. As individuals move into middle age, earnings and the prestige associated with the occupations having greater responsibility rises. Upward mobility is the normative activity of middle age, and there is little reason to believe that the baby boom generation has expectations about employment and income that are any less than the generation preceding it.

This poses a dilemma for the labor market. Not only is the rate of job growth lower than in the recent past, in North Dakota it is growing along only narrowly defined industrial avenues. The available information indicates that the rate of job growth since 1980 has not kept pace with the rate of population growth among young adults. Had it done so, since young adults and middle age persons work for more money, consumer demand would be growing at a far faster pace than the rate of employment growth. Given the constraints on North Dakota's economy imposed by poor farm markets, slow growth in coal and oil extraction, and high interest rates, we expect that the dilemma of employment growth in the two to three percent range will characterize 1982 and 1983.

[4/] Dollar amounts presented with each occupational category refer to median weekly earnings during the fourth quarter of 1981. For more exhaustive statistics, see "Earnings of Workers" cited in the references section.

Figure I: Map of North Dakota Counties, Regions, and Reservations

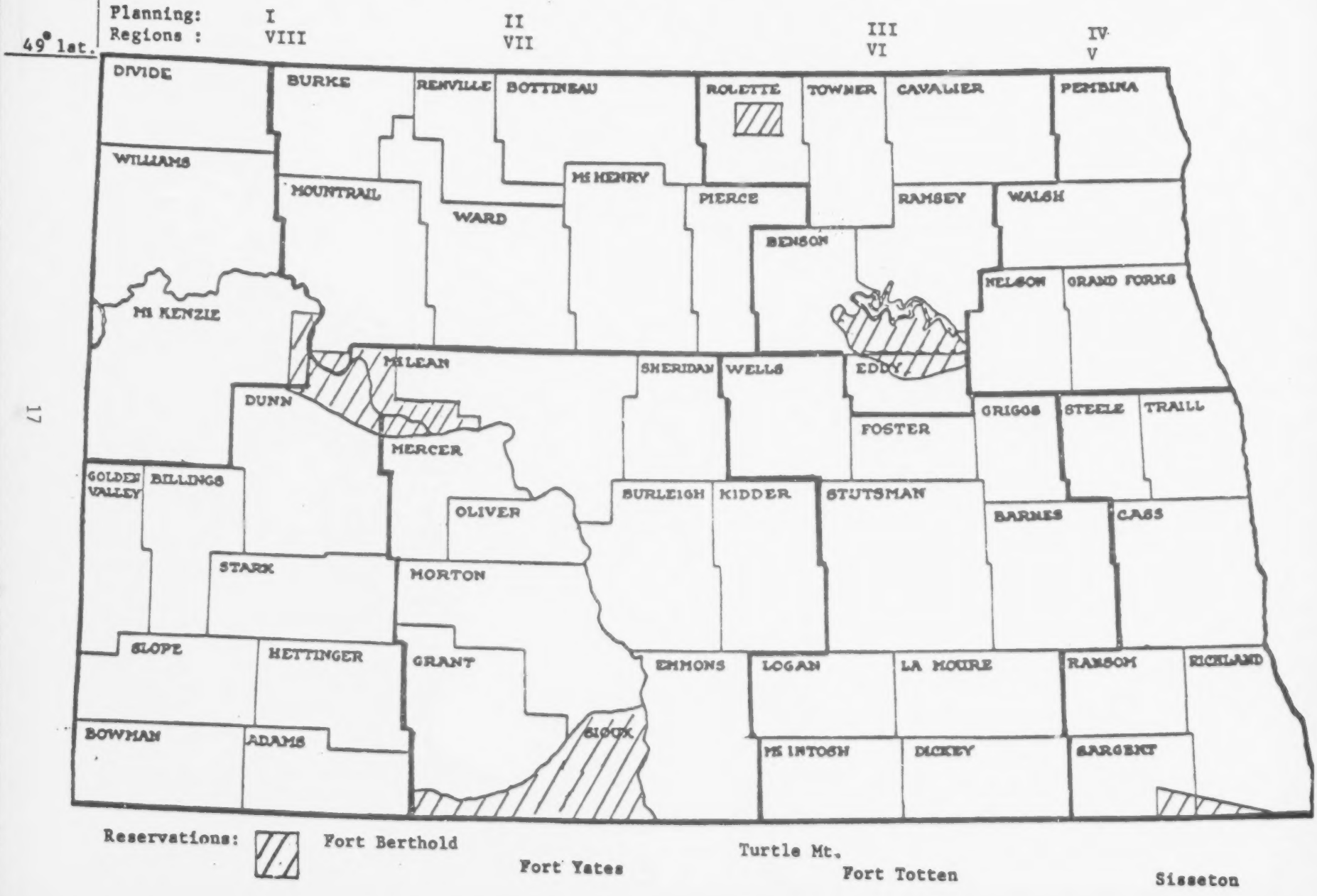
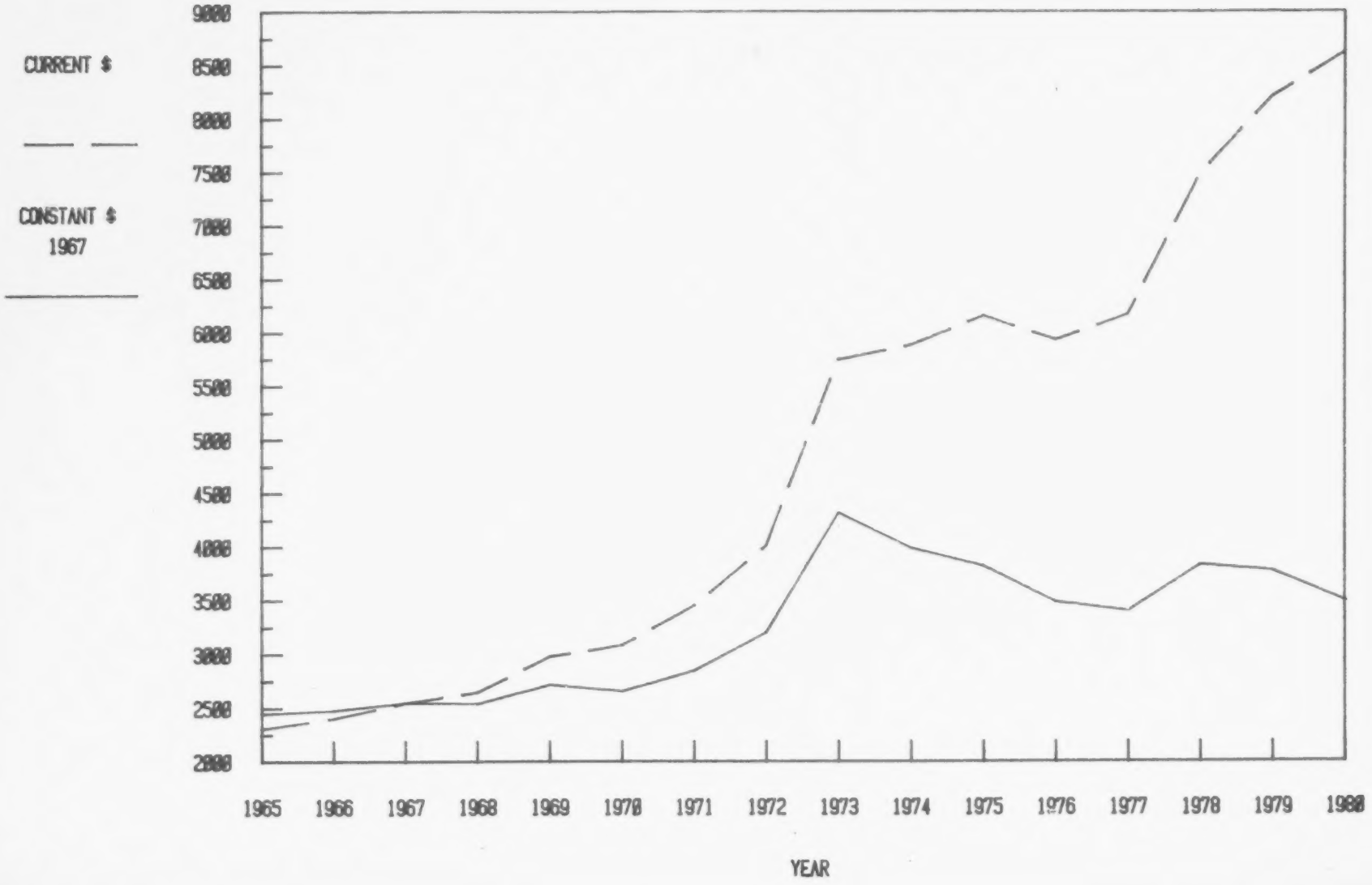


Figure II

PER CAPITA PERSONAL INCOME

FOR NORTH DAKOTA



APPENDIX I

POPULATION

Table 1: Number of Persons by Race/Ethnicity and Age, 1980

Age	White		American Indian		Black		Asian		Other		Total	
	N	%	N	%	N	%	N	%	N	%	N	%
<4	50,882	8.1	2,951	14.6	344	13.4	194	9.8	381	15.5	54,752	8.4
5-17	127,915	20.4	6,709	33.3	456	17.7	485	24.5	674	27.5	136,239	20.9
18-64	367,297	58.7	9,689	48.1	1,746	68.0	1,243	62.8	1,306	53.2	381,281	58.4
≥65	79,463	12.7	809	4.0	22	0.8	57	2.9	94	3.8	80,445	12.3
TOTAL	625,557	99.9	20,158	100.0	2,568	99.9	1,979	100.0	2,455	100.0	652,717	100.0
ROW %	95.8		3.1		0.4		0.3		0.4		100.0	

SOURCE: Bureau of the Census; 1980 Summary Tape File 1A (Microfiche), Frame 12.

Table 2: Number of Persons by Sex and Age, 1980

Age	Sex				Total	
	Male		Female			
	N	%	N	%	N	%
<4	28,210	8.6	26,542	8.2	54,752	8.4
5-9	25,079	7.6	23,937	7.4	49,016	7.5
10-14	26,328	8.0	24,715	7.6	51,043	7.8
15-19	32,920	10.0	31,057	9.6	63,977	9.8
20-24	35,889	10.9	33,504	10.3	69,393	10.6
25-29	30,691	9.4	27,779	8.6	58,470	9.0
30-34	23,969	7.3	21,718	6.7	45,687	7.0
35-44	32,279	9.8	31,367	9.7	63,646	9.7
45-54	29,344	8.9	29,784	9.2	59,128	9.1
55-59	14,543	4.4	14,675	4.5	29,218	4.5
60-64	13,691	4.2	14,251	4.4	27,942	4.3
≥65	35,483	10.8	44,962	13.8	80,445	12.3
TOTAL	328,426	99.9	324,291	100.0	652,717	100.0
ROW PERCENT	50.3		49.7		100.0	

SOURCE: Bureau of the Census; 1980 Summary Tape File 1A (Microfiche), Frame 10.

Table 3: Number of Persons by Age, Sex, and County, 1980

	Female		Age				
	Number	Percent	<4	5-17	18-64	≥65	Total
REGION I							
Williams	10,518	49.1	2,001	4,603	11,209	2,424	22,237
Divide	1,698	48.6	245	653	1,890	706	3,494
McKenzie	3,395	47.6	670	1,712	4,008	742	7,132
TOTAL	16,011	48.7	2,916	6,968	19,107	3,872	32,863
ROW PERCENT			8.9	21.2	58.1	11.8	100.0
REGION II							
Ward	28,962	49.6	5,606	12,320	35,211	5,255	58,392
Bottineau	4,610	49.9	711	1,077	5,635	1,816	9,239
Burke	1,896	49.6	248	792	2,044	738	3,822
McHenry	3,780	48.1	574	1,736	4,102	1,446	7,858
Mountrail	3,793	49.4	660	1,728	4,108	1,183	7,679
Pierce	3,071	49.8	444	1,492	3,114	1,116	6,166
Renville	1,753	48.6	249	848	1,883	628	3,608
TOTAL	47,865	49.5	8,492	19,993	56,097	12,182	96,764
ROW PERCENT			8.8	20.7	58.0	12.6	100.0
REGION III							
Ramsey	6,628	50.8	992	2,818	7,150	2,088	13,048
Benson	3,885	50.6	786	2,058	3,924	1,176	7,944
Cavalier	3,711	48.6	557	1,703	4,070	1,306	7,636
Towner	2,026	50.0	284	834	2,132	802	4,052
Eddy	1,752	49.3	281	700	1,844	729	3,554
Rolette	6,162	50.6	1,388	3,507	6,137	1,145	12,177
TOTAL	24,164	49.9	4,288	11,620	25,257	7,246	48,411
ROW PERCENT			8.9	24.0	52.2	14.9	100.0
REGION IV							
Grand Forks	32,389	49.0	6,015	12,229	42,634	5,222	66,100
Nelson	2,564	49.0	309	994	2,726	1,204	5,233
Walsh	7,686	50.0	1,122	3,228	8,500	2,521	15,371
Pembina	5,179	49.8	842	2,195	5,646	1,716	10,399
TOTAL	47,818	49.2	8,288	18,646	59,506	10,663	97,103
ROW PERCENT			8.5	19.2	61.3	11.0	100.0
REGION V							
Cass	44,565	50.5	6,883	16,149	56,743	8,472	88,247
Traill	4,903	51.0	712	1,809	5,255	1,848	9,624
Steele	1,516	48.8	245	650	1,705	506	3,106
Ransom	3,289	49.1	509	1,400	3,510	1,279	6,698
Richland	9,258	48.2	1,479	3,323	11,639	2,766	19,207
Sargent	2,629	47.7	441	1,240	3,015	816	5,512
TOTAL	66,165	50.0	10,269	24,571	81,867	15,687	132,394
ROW PERCENT			7.8	18.6	61.8	11.8	100.0
REGION VI							
Stutsman	12,198	50.5	1,908	4,831	14,178	3,237	24,154
Wells	3,483	49.9	475	1,500	3,594	1,410	6,979
McIntosh	2,429	50.6	245	902	2,554	1,099	4,800
Logan	1,701	48.7	224	810	1,876	583	3,493
Foster	2,329	50.5	346	1,070	2,434	761	4,611
Dickey	3,596	49.9	577	1,513	3,885	1,232	7,207
LaMoure	3,211	49.6	492	1,398	3,411	1,172	6,473
Barnes	7,064	50.6	1,019	2,625	7,915	2,401	13,960
Griggs	1,786	48.1	260	698	2,009	747	3,714
TOTAL	37,797	50.1	5,546	15,347	41,856	12,642	75,391
ROW PERCENT			7.4	20.3	55.5	16.8	100.0
REGION VII							
Burleigh	28,063	51.2	4,714	11,674	33,819	4,604	54,811
McLean	6,006	48.5	1,127	2,699	6,774	1,783	12,383
Sheridan	1,364	48.4	189	589	1,584	457	2,819
Kidder	1,874	48.9	318	882	2,081	552	3,833
Emmons	2,897	49.3	388	1,551	3,027	911	5,877
Morton	12,488	49.6	2,367	5,916	14,175	2,719	25,177
Mercer	4,505	47.9	893	2,032	5,520	959	9,404
Oliver	1,173	47.0	247	594	1,444	210	2,495
Grant	2,052	48.0	325	1,017	2,270	662	4,274
Sioux	1,774	49.0	460	1,144	1,821	195	3,620
TOTAL	62,196	49.9	11,028	28,098	72,515	13,052	124,693
ROW PERCENT			8.8	22.5	58.2	10.5	100.0
REGION VIII							
Stark	11,925	49.9	2,180	5,261	13,934	2,322	23,697
Slope	545	47.1	95	272	659	131	1,157
Hettinger	2,120	49.6	291	979	2,325	680	4,275
Golden Valley	1,181	49.4	189	564	1,253	385	2,391
Dunn	2,207	47.7	407	1,088	2,600	532	4,627
Bowman	2,106	49.8	372	990	2,296	571	4,229
Billings	542	47.6	93	287	661	97	1,138
Adams	1,796	50.1	280	741	1,979	584	3,584
TOTAL	22,320	48.9	3,907	10,182	25,707	5,302	45,098
ROW PERCENT			8.7	22.3	57.0	11.7	100.0
STATE TOTAL	324,336	49.7	54,734	135,425	381,912	80,642	652,717
ROW PERCENT			8.4	20.7	58.5	12.4	100.0

SOURCE: Bureau of the Census; PHC80-3, Summary Characteristics for Governmental Units.

Table 4: Number of Persons by Race/Ethnicity and County, 1980

	Race/Ethnicity					Spanish	Total	
	White	Black	American Indian	Asian	Other	Origin*	1980	1970
REGION I								
Williams	21,424	3	715	61	34	71	22,237	19,301
Divide	3,481	0	9	1	3	1	3,494	4,564
McKenzie	6,164	1	915	7	45	64	7,132	6,127
TOTAL	31,069	4	1,639	69	82	136	32,863	29,992
ROW PERCENT	94.5	<0.1	5.0	0.2	0.3	0.4	100.0	
REGION II								
Ward	55,851	1,091	667	330	453	756	58,392	58,560
Bottineau	9,236	1	77	17	7	19	9,338	9,496
Burke	3,803	3	5	8	3	15	3,822	4,739
McHenry	7,823	4	16	11	4	9	7,858	8,977
Mountrail	6,738	1	917	15	8	19	7,679	8,437
Pierce	6,101	0	20	28	17	25	6,166	6,323
Renville	3,589	0	7	9	3	11	3,608	3,828
TOTAL	93,141	1,100	1,709	418	495	854	96,863	100,360
ROW PERCENT	96.2	1.1	1.8	0.4	0.5	0.9	100.0	
REGION III								
Ramsey	12,684	5	331	15	13	29	13,048	12,915
Benson	5,615	1	2,316	1	11	27	7,944	8,245
Cavalier	7,587	1	38	6	4	16	7,636	8,213
Towner	4,005	3	41	3	0	2	4,052	4,645
Eddy	3,526	1	26	1	0	3	3,554	4,103
Rolette	5,097	8	7,020	18	34	37	12,177	11,549
TOTAL	38,514	19	9,772	44	62	114	48,411	49,670
ROW PERCENT	79.5	<0.1	20.1	0.1	0.1	0.2	100.0	
REGION IV								
Grand Forks	63,034	1,127	798	506	635	953	66,100	61,102
Nelson	5,220	1	8	2	2	10	5,233	5,807
Walsh	15,147	4	97	23	100	224	15,371	16,251
Pembina	10,273	5	50	23	48	126	10,399	10,728
TOTAL	93,674	1,137	953	554	785	1,313	97,103	93,888
ROW PERCENT	96.4	1.2	1.0	0.6	0.8	1.4		

REGION V									
Cass	86,842	142	501	392	370	515	88,247	73,653	
Traill	9,510	6	24	9	75	88	9,624	9,571	
Steele	3,097	2	1	6	0	3	3,106	3,749	
Ransom	6,661	3	7	14	13	14	6,698	7,102	
Richland	18,869	9	249	21	59	68	19,204	18,089	
Sargent	5,495	8	5	0	4	7	5,512	5,937	
TOTAL	130,474	170	787	442	521	695	132,394	118,101	
ROW PERCENT	98.6	0.1	0.6	0.3	0.4	0.5	100.0		
REGION VI									
Stutsman	23,848	31	134	63	78	76	24,154	23,550	
Wells	6,963	0	7	3	6	19	6,979	7,847	
McIntosh	4,786	0	3	0	11	12	4,800	5,545	
Logan	3,492	0	0	0	1	10	3,493	4,245	
Foster	4,583	1	18	5	4	11	4,611	4,832	
Dickey	7,151	1	11	27	17	22	7,207	6,976	
LaMoure	6,446	2	14	4	7	6	6,473	7,117	
Barnes	13,868	17	47	19	9	28	13,960	14,669	
Griggs	3,697	0	13	1	3	2	3,714	4,184	
TOTAL	74,834	52	247	122	136	186	75,391	78,965	
ROW PERCENT	99.2	0.1	0.3	0.2	0.2	0.2	100.0		
REGION VII									
Burleigh	53,377	46	1,028	193	167	203	54,811	40,714	
McLean	11,693	2	547	13	33	65	12,288	11,251	
Sheridan	2,812	0	5	1	1	1	2,819	3,232	
Kidder	3,927	0	2	3	1	6	3,833	4,362	
Emmons	5,868	1	6	1	1	18	5,877	7,200	
Morton	24,888	7	230	25	27	84	25,177	20,310	
Mercer	9,096	10	206	19	47	44	9,378	6,175	
Oliver	2,456	2	36	1	0	4	2,495	2,322	
Grant	4,230	1	28	1	14	13	4,274	5,009	
Sioux	1,269	0	2,341	5	5	21	3,620	3,632	
TOTAL	119,516	69	4,429	262	296	459	124,572	104,207	
ROW PERCENT	95.9	0.1	3.6	0.2	0.2	0.4	100.0		
REGION VIII									
Stark	23,440	13	135	46	63	82	23,697	19,613	
Slope	1,153	0	4	0	0	0	1,157	1,484	
Hettinger	4,261	0	2	12	0	10	4,275	5,075	
Golden Valley	2,380	2	6	0	3	3	2,391	2,611	
Dunn	4,168	1	452	1	5	34	4,627	4,895	
Bowman	4,210	0	10	2	7	6	4,229	3,901	
Billings	1,134	0	4	0	0	2	1,138	1,198	
Adams	3,568	1	8	7	0	9	3,584	3,832	
TOTAL	44,314	17	621	68	78	146	45,098	42,609	
ROW PERCENT	98.3	<0.1	1.4	0.1	0.2	0.3			
STATE TOTAL	625,536	2,568	20,157	1,979	2,455	3,903	652,695	617,792	
ROW PERCENT	95.8	0.4	3.1	0.3	0.4	0.6	100.0		

*Individuals of Spanish origin may be racially white, black, American Indian, Asian, or other.

SOURCE: Bureau of the Census; 1980 Census of Population and Housing, PHC80-V-36, March 1981.

Table 5: School Census Population Change by County, 1979-1981

	8/31/79 Age			8/31/81 Age		
	0-5	6-17	Total	0-5	6-17	Total
REGION I						
Williams	2,027	4,335	6,362	2,684	4,609	7,293
Divide	254	593	847	271	516	787
McKenzie	605	1,370	1,975	789	1,520	2,309
TOTAL	2,886	6,298	9,184	3,744	6,645	10,389
1979-81 N and % Change	858	347	1,205	29.7	5.5	13.1
REGION II						
Ward	5,623	11,699	17,322	6,025	11,294	17,319
Bottineau	740	1,907	2,647	785	1,737	2,522
Burke	297	789	1,086	275	758	1,033
McHenry	662	1,810	2,472	635	1,615	2,250
Mountrail	704	1,713	2,417	747	1,693	2,440
Pierce	508	1,456	1,964	521	1,287	1,808
Renville	321	832	1,153	298	797	1,095
TOTAL	8,855	20,206	29,061	9,286	19,181	28,467
1979-81 N and % Change	431	-1,025	-594	4.9	-5.1	-2.0
REGION III						
Ramsey	974	2,618	3,592	1,090	2,741	3,831
Benson	533	1,496	2,029	573	1,484	2,057
Cavalier	553	1,537	2,090	563	1,378	1,941
Towner	251	770	1,021	296	693	989
Eddy	285	633	918	261	554	815
Rolette	1,466	3,393	4,859	1,631	3,327	4,958
TOTAL	4,062	10,447	14,509	4,414	10,177	14,591
1979-81 N and % Change	352	-270	82	8.9	-2.6	0.6
REGION IV						
Grand Forks	5,379	11,746	17,125	5,793	11,301	17,094
Nelson	395	1,218	1,613	450	1,086	1,536
Walsh	1,096	2,987	4,083	1,133	2,624	3,757
Pembina	954	2,217	3,171	970	2,142	3,112
TOTAL	7,824	18,160	25,992	8,346	17,153	25,499
1979-81 N and % Change	522	-1,015	-493	6.7	-5.6	-1.9
REGION V						
Cass	6,727	14,908	21,635	6,991	15,287	22,278
Traill	823	2,018	2,841	872	1,807	2,679
Steele	240	586	826	232	461	693
Ransom	588	1,350	1,938	587	1,226	1,813
Richland	1,442	3,031	4,473	1,589	2,766	4,355
Sargent	471	1,085	1,556	423	1,019	1,442
TOTAL	10,291	22,978	33,269	10,694	22,566	33,260
1979-81 N and % Change	403	-412	-9	3.9	-1.8	0.0
REGION VI						
Stutsman	1,871	4,404	6,275	2,018	4,132	6,150
Wells	528	1,486	2,014	509	1,310	1,819
McIntosh	273	974	1,247	323	832	1,155
Logan	230	747	977	211	641	852
Foster	329	1,100	1,429	354	1,012	1,366
Dickey	657	1,436	2,093	668	1,345	2,013
LaMoure	568	1,412	1,980	571	1,353	1,924
Barns	916	2,514	3,430	1,026	2,350	3,376
Griggs	265	582	847	274	573	847
TOTAL	3,637	14,655	20,292	5,954	13,548	19,502
1979-81 N and % Change	317	-1,107	-790	5.6	-7.6	-3.9
REGION VII						
Burleigh	4,691	10,579	15,270	5,044	10,315	15,359
McLean	1,171	2,805	3,976	1,316	2,749	4,065
Sheridan	153	440	593	146	344	490
Kidder	330	797	1,127	356	730	1,086
Emmons	432	1,547	1,979	379	1,380	1,759
Morton	2,555	5,542	8,097	2,639	5,472	8,111
Mercer	752	1,712	2,464	920	1,848	2,768
Oliver	212	454	666	229	441	670
Grant	300	829	1,129	335	807	1,142
Sioux	443	1,080	1,513	480	1,053	1,533
TOTAL	11,029	25,785	36,014	11,844	25,139	36,983
1979-81 N and % Change	815	-646	169	7.4	-2.5	0.5
REGION VIII						
Stark	1,954	4,047	6,801	2,700	5,028	7,728
Slope	61	147	203	51	116	167
Hettinger	336	1,104	1,440	355	991	1,346
Golden Valley	209	494	703	265	477	742
Dunn	311	817	1,120	366	756	1,122
Bowman	421	1,000	1,421	446	932	1,378
Billings	90	264	354	151	268	419
Adams	291	680	971	293	652	945
TOTAL	3,673	9,348	13,021	4,627	9,220	13,847
1979-81 N and % Change	1,052	-128	826	26.0	-1.4	6.3
STATE TOTAL	54,257	127,885	182,142	58,909	123,629	182,538
1979-81 N AND % CHANGE	4,652	-4,256	396	8.6	-3.3	0.2

Table 6: Social Security Beneficiaries Age 65 or More
By Age, Sex, and County, June 1980

	Sex		Age		Total	
	Male	Female	65-74	>75	N	%
REGION I						
Williams	1,045	1,296	1,428	913	2,341	
Divide	293	333	382	244	626	
McKenzie	337	344	430	251	681	
TOTAL	1,675	1,973	2,240	1,408	3,648	4.7
REGION II						
Ward	2,096	2,898	3,120	1,874	4,994	
Bottineau	794	830	941	683	1,624	
Burke	385	404	486	303	789	
McHenry	666	729	863	532	1,395	
Mountrail	527	561	661	427	1,088	
Pierce	426	543	596	373	969	
Renville	295	308	390	213	603	
TOTAL	5,189	6,273	7,057	4,405	11,462	14.8
REGION III						
Ramsey	913	1,170	1,158	925	2,083	
Benson	597	606	703	500	1,203	
Cavalier	590	667	708	549	1,257	
Towner	317	407	411	313	724	
Eddy	336	373	388	321	709	
Rolette	481	547	652	376	1,028	
TOTAL	3,234	3,770	4,020	2,984	7,004	9.0
REGION IV						
Grand Forks	1,967	2,965	2,717	2,215	4,932	
Nelson	559	628	581	606	1,187	
Walsh	1,152	1,379	1,366	1,165	2,531	
Pembina	782	936	936	782	1,718	
TOTAL	4,460	5,908	5,600	4,768	10,368	13.4
REGION V						
Cass	3,185	4,875	4,410	3,650	8,060	
Traill	802	995	923	874	1,797	
Steele	243	264	286	221	507	
Ransom	549	650	652	547	1,199	
Richland	1,140	1,454	1,377	1,217	2,594	
Sargent	417	460	484	393	877	
TOTAL	6,336	8,698	8,132	6,907	15,034	19.4
REGION VI						
Stutsman	1,247	1,715	1,709	1,253	2,962	
Wells	648	714	787	575	1,362	
McIntosh	469	566	619	416	1,035	
Logan	320	370	449	241	690	
Foster	351	394	437	308	745	
Dickey	518	621	632	507	1,139	
LaMoure	546	641	700	487	1,187	
Barns	1,067	1,385	1,382	1,070	2,452	
Griggs	358	373	422	309	731	
TOTAL	5,524	6,779	7,137	5,166	12,303	15.8
REGION VII						
Burleigh	1,791	2,654	2,713	1,732	4,445	
McLean	823	894	1,076	641	1,717	
Sheridan	230	218	271	177	448	
Kidder	252	278	334	196	530	
Emmons	435	456	541	350	891	
Morton	1,029	1,454	1,478	1,005	2,483	
Mercer	436	522	638	320	958	
Oliver	97	96	130	63	193	
Grant	305	325	434	196	630	
Sioux	66	74	89	51	140	
TOTAL	5,464	6,971	7,704	4,731	12,435	16.0
REGION VIII						
Stark	991	1,266	1,426	831	2,257	
Slope	47	47	58	36	94	
Hettinger	327	371	457	241	698	
Golden Valley	191	248	247	192	439	
Dunn	265	259	354	170	524	
Bowman	257	325	358	224	582	
Billings	39	36	58	17	75	
Adams	264	300	341	223	564	
TOTAL	2,381	2,852	3,299	1,934	5,233	6.7
COUNTY NOT AVAILABLE	42	102	115	29	144	0.2
STATE TOTAL	34,305	43,326	45,304	32,327	77,631	100.0
ROW PERCENT	44.2	55.8	58.4	41.6	100.0	

Table 7: Population Projections to 1983 and 1985 by Age for North Dakota

Age	1980		1983		1985		1980-85 Change	
	N	%	N	%	N	%	N	%
0-15	167,620	25.7	169,530	25.5	170,800	25.4	3,180	1.9
16-24	120,520	18.5	108,960	16.4	101,250	15.1	-19,270	-16.0
25-44	167,800	25.7	189,070	28.5	203,260	30.3	35,460	21.1
45-64	116,310	17.8	113,400	17.1	111,450	16.6	- 4,860	- 4.2
≥65	80,450	12.3	82,860	12.5	84,470	12.6	3,970	4.9
TOTAL	652,700	100.0	663,820	100.0	671,230	100.0	18,480	2.8

Table 8: Population Projections to 1983 by Age for Rural and Urban Areas of North Dakota

1983 Population

Age	Rural N	Rural %	Urban* N	Urban* %	Total N	Total %
0-15	71,370	25.4	98,160	25.7	169,530	25.5
Row Percent	42.1		57.9		100.0	
16-64	164,160	58.3	247,270	64.7	411,430	62.0
Row Percent	39.9		60.1		100.0	
>65	45,990	16.3	36,870	9.6	82,860	12.5
Row Percent	55.5		44.5		100.0	
TOTAL	281,520	100.0	382,300	100.0	663,820	100.0
ROW PERCENT	42.4		57.6		100.0	

*Urban refers to the counties of Williams, Ward, Ramsey, Grand Forks, Cass, Stutsman, Burleigh, Morton, and Stark.

APPENDIX II

LABOR FORCE

Table 9: North Dakota Civilian Population and Labor Force Estimates by Sex and Age, 1981

	Civilian Population						
	Civilian Labor Force						
	Unemployment		Employment	Labor Force			
	N	Row % Rate	N	N	Participation Rate (Row %)	Not In Labor Force	Population
Male							
16-24	4,650	9.9	42,550	47,200	83.6	9,240	56,440
25-44	2,560	3.2	76,480	79,040	97.2	2,300	81,340
45-64	2,160	3.6	57,030	59,190	96.6	2,090	61,280
>65	500	4.1	11,810	12,310	32.2	25,970	38,280
TOTAL	9,870	5.0	187,870	197,740	83.3	39,600	237,340
Female							
16-24	3,280	7.7	39,560	42,840	72.0	16,620	59,460
25-44	2,400	4.5	50,900	53,300	65.2	28,360	81,660
45-64	880	2.6	33,230	34,110	55.4	27,410	61,520
>65	70	1.6	4,340	4,410	10.3	38,610	43,020
TOTAL	6,630	4.9	128,030	134,660	54.8	111,000	245,660
Total							
16-24	7,930	8.8	82,110	90,040	77.7	25,860	115,900
25-44	4,960	3.7	127,380	132,340	81.2	30,660	163,000
45-64	3,040	3.3	90,260	93,300	76.0	29,500	122,800
>65	570	3.4	16,150	16,720	20.6	64,580	81,300
TOTAL	16,500	5.0	315,900	332,400	68.8	150,600	483,000

Table 10: North Dakota County Labor Force Annual Average, 1981

	Labor Force	Employment	Unemployment	
			Number	Rate %
REGION I				
Williams	14,009	13,672	337	2.4
Divide	1,733	1,689	44	2.5
McKenzie	4,264	4,119	145	3.4
TOTAL	20,006	19,480	526	2.6
REGION II				
Ward	26,011	24,639	1,372	5.3
Bottineau	4,324	4,162	162	3.7
Burke	2,087	2,022	65	3.1
McHenry	3,450	3,171	279	8.1
Mountrail	3,888	3,687	201	5.2
Pierce	3,246	3,135	111	3.4
Renville	1,716	1,664	52	3.0
TOTAL	44,722	42,480	2,242	5.0
REGION III				
Ramsey	7,135	6,829	306	4.3
Benson	3,414	3,171	243	7.1
Cavalier	3,784	3,628	156	4.1
Towner	2,210	2,160	50	2.3
Eddy	1,801	1,662	139	7.7
Rolette	5,028	4,474	554	11.0
TOTAL	23,372	21,924	1,448	6.2
REGION IV				
Grand Forks	28,485	26,975	1,510	5.3
Nelson	2,900	2,786	114	3.9
Walsh	8,591	8,212	379	4.4
Pembina	6,242	5,870	372	6.0
TOTAL	46,218	43,843	2,375	5.1
REGION V				
Cass	47,456	45,442	2,014	4.2
Traill	5,016	4,783	233	4.6
Steele	1,525	1,489	36	2.4
Ransom	3,176	3,049	127	4.0
Richland	9,346	8,838	508	5.4
Sargent	2,939	2,777	162	5.5
TOTAL	69,458	66,378	3,080	4.4
REGION VI				
Stutsman	12,541	11,917	624	5.0
Wells	3,631	3,458	173	4.8
McIntosh	2,568	2,472	96	3.7
Logan	1,668	1,591	77	4.6
Foster	2,378	2,286	92	3.9
Dickey	3,725	3,621	104	2.8
LaMoure	2,859	2,755	104	3.6
Barnes	6,911	6,571	340	4.9
Griggs	1,867	1,806	61	3.3
TOTAL	38,148	36,477	1,671	4.4
REGION VII				
Burleigh	29,378	27,665	1,713	5.8
McLean	5,988	5,538	450	7.5
Sheridan	1,362	1,297	65	4.8
Kidder	1,698	1,568	130	7.7
Emmons	2,702	2,529	173	6.4
Morton	13,533	12,600	933	6.9
Mercer	6,371	5,980	391	6.1
Oliver	1,328	1,249	79	5.9
Grant	1,879	1,788	91	4.8
Sioux	1,531	1,352	179	11.7
TOTAL	65,770	61,566	4,204	6.4
REGION VIII				
Stark	12,413	11,871	542	4.4
Slope	636	616	20	3.1
Hettinger	2,059	1,986	73	3.5
Golden Valley	1,390	1,351	39	2.8
Dunn	2,408	2,292	116	4.8
Bowman	2,305	2,249	56	2.4
Billings	1,313	1,284	29	2.2
Adams	2,156	2,115	41	1.9
TOTAL	24,680	23,764	916	3.7
STATE TOTAL	332,365	315,908	16,457	5.0

SOURCE: NDRS-31d, 03/81 BM, 3/11/82 R, non-CPS adjusted.

Table 11: North Dakota County Labor Force Annual Average for 1980

	Labor Force	Employment	Unemployment	
			Number	Rate %
REGION I				
Williams	12,167	11,875	292	2.4
Divide	1,751	1,713	38	2.2
McKenzie	3,610	3,502	108	3.0
TOTAL	17,528	17,090	438	2.5
REGION II				
Ward	25,939	24,604	1,335	5.1
Bottineau	4,464	4,261	203	4.5
Burke	2,096	2,029	67	3.2
McHenry	3,661	3,337	324	8.9
Mountrail	3,986	3,822	164	4.1
Pierce	3,288	3,161	127	3.9
Renville	1,705	1,656	49	2.9
TOTAL	45,139	42,870	2,269	5.0
REGION III				
Ramsey	7,118	6,817	301	4.2
Benson	3,689	3,406	283	7.7
Cavalier	2,874	3,713	161	4.2
Towner	2,216	2,159	57	2.6
Eddy	1,900	1,753	147	7.7
Rolette	5,216	4,610	606	11.6
TOTAL	24,013	22,458	1,555	6.5
REGION IV				
Grand Forks	28,398	26,928	1,470	5.2
Nelson	2,944	2,808	136	4.6
Walsh	8,736	8,317	419	4.8
Pembina	5,945	5,552	393	6.6
TOTAL	46,023	43,605	2,418	5.3
REGION V				
Cass	46,760	44,896	1,864	4.0
Traill	5,015	4,794	221	4.4
Steele	1,596	1,536	60	3.8
Ransom	3,431	3,277	154	4.5
Richland	9,299	8,740	559	6.0
Sargent	2,895	2,675	220	7.6
TOTAL	68,996	65,918	3,078	4.5
REGION VI				
Stutsman	12,850	12,192	658	5.1
Wells	3,748	3,578	170	4.5
McIntosh	2,604	2,494	110	4.2
Logan	1,730	1,644	86	5.0
Foster	2,422	2,320	102	4.2
Dickey	3,822	3,701	121	3.2
LaMoure	2,914	2,812	102	3.5
Barnes	7,165	6,843	322	4.5
Griggs	1,852	1,799	53	2.9
TOTAL	39,107	37,383	1,724	4.4
REGION VII				
Burleigh	31,325	29,677	1,648	5.3
McLean	6,646	6,224	422	6.3
Sheridan	1,442	1,359	83	5.8
Kidder	1,740	1,604	136	7.8
Emmons	2,728	2,545	183	6.7
Morton	11,428	10,518	910	8.0
Mercer	5,681	5,363	318	5.6
Oliver	1,208	1,119	89	7.4
Grant	1,918	1,824	94	4.9
Sioux	1,458	1,308	150	10.3
TOTAL	65,574	61,541	4,033	6.2
REGION VIII				
Stark	11,604	11,116	488	4.2
Slope	590	572	18	3.1
Hettinger	2,109	2,040	69	3.3
Golden Valley	1,321	1,281	40	3.0
Dunn	2,233	2,120	113	5.1
Bowman	2,278	2,227	51	2.2
Billings	1,069	1,046	23	2.2
Adams	2,120	2,077	43	2.0
TOTAL	23,324	22,479	845	3.6
STATE TOTAL	329,700	313,342	16,358	5.0

SOURCE: NDRS-31d, 03/80 BM, 3/31/81 R, non-CPS adjusted.

APPENDIX III

AGRICULTURE

Table 12: Acres Harvested and Tenure of Farm/Ranch Operators by Age and Principal Occupation of Operator, 1978

Nonfarm Occupations

Age of Operator	<24		25-24		25-44		45-54		55-64		≥65		Total	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%
Farms and Operators: Total	501	100.0	1,626	100.0	1,666	100.0	1,447	100.0	1,024	100.0	588	100.0	6,852	100.0
Row %	7.3		23.7		24.3		21.1		14.9		8.6		99.9	
Farms by Acres Harvested														
1 to 49 acres	74	14.8	264	16.2	278	16.7	249	17.2	178	17.4	107	18.2	1,150	16.8
50 to 99	104	20.7	244	15.0	267	16.0	190	13.1	159	15.5	73	12.4	1,037	15.1
100 to 199	124	24.7	306	18.8	371	22.3	298	20.6	228	22.2	122	20.8	1,449	21.1
200 to 499	85	17.0	488	30.0	337	20.2	365	25.2	256	25.0	121	20.6	1,652	24.1
500 to 999	14	2.8	70	4.3	92	5.5	126	8.7	59	5.8	30	5.1	391	5.7
1,000 to 1,999	2	0.4	5	0.3	14	0.8	21	1.5	10	1.0	2	0.3	54	0.8
2,000 or more	0	0.0	2	0.1	3	0.2	6	0.4	2	0.2	2	0.3	15	0.2
Item omitted	98	19.5	247	15.2	304	18.2	192	13.3	132	12.9	131	22.3	1,104	16.1
Tenure of Operator														
Full Owners	127	25.3	669	41.1	773	46.4	811	56.0	671	65.5	375	63.8	3,426	50.0
Part Owners	60	12.0	355	21.8	428	25.7	445	30.8	255	24.9	121	20.6	1,664	24.3
Tenants	314	62.7	602	37.0	465	27.9	191	13.2	98	9.6	92	15.7	1,762	25.7

Farming

Farms and Operators: Total	1,733	100.0	5,212	100.0	5,552	100.0	8,645	100.0	9,135	100.0	4,007	100.0	34,285	100.0
Row %	3.1		15.2		16.2		25.2		26.6		11.7		100.0	
Farms by Acres Harvested														
1 to 49 acres	54	3.1	108	2.1	70	1.3	122	1.4	206	2.3	231	5.8	791	2.3
50 to 99	177	10.2	157	3.0	108	1.9	188	2.2	353	3.9	385	9.6	1,368	4.0
100 to 199	340	19.6	518	9.9	324	5.8	604	7.0	987	10.8	891	22.2	3,664	10.7
200 to 499	663	38.2	2,045	39.2	1,870	33.7	3,115	36.0	4,163	45.6	1,577	39.4	13,433	39.2
500 to 999	358	20.7	1,627	31.2	2,023	36.4	3,143	36.4	2,442	26.7	565	14.1	10,158	29.6
1,000 to 1,999	59	3.4	481	9.2	854	15.4	1,032	11.9	614	6.7	113	2.8	3,153	9.2
2,000 or more	3	0.2	73	1.4	169	3.0	193	2.2	93	1.0	25	0.6	556	1.6
Item omitted	79	4.6	203	3.9	134	2.4	248	2.9	278	3.0	220	5.5	1,162	3.4
Tenure of Operator														
Full Owners	237	13.7	936	18.0	1,186	21.4	2,489	28.8	3,622	39.6	2,329	58.1	10,799	31.5
Part Owners	375	21.6	2,580	49.5	3,686	66.4	5,445	63.0	4,810	52.7	1,260	31.4	18,156	53.0
Tenants	1,121	64.7	1,696	32.5	680	12.2	711	8.2	704	7.7	418	10.4	5,330	15.5

SOURCE: "1978 Census of Agriculture," AC78-A-34, Vol. 1, Pt. 34, Bureau of the Census, July 1981.

Table 13: Farm/Ranch Size, Hired Labor, and Farm Machinery Value by County, 1978

	Farms	Hired Farm Workers						Farm Size: Average Per Farm in Acres	Value of Machinery and Equipment: Average per Farm in Dollars
		Any		150 Days or More		Less than 150 Days			
	Total	Farms	Workers	Farms	Workers	Farms	Workers		
REGION I									
Williams	1,132	391	918	119	178	351	740	1,152	59,595
Divide	671	281	675	84	110	270	565	1,107	55,815
McKenzie	804	295	797	106	139	238	658	1,463	53,541
TOTAL	2,607	967	2,390	309	427	859	1,963	1,271	56,750
ROW PERCENT	100.0	37.1	100.0		17.9		82.1		
REGION II									
Ward	1,359	564	1,758	180	288	440	1,470	896	58,183
Bottineau	1,077	468	1,332	160	244	378	1,088	962	62,800
Burke	650	224	802	41	74	210	728	986	50,328
McHenry	1,045	386	836	116	172	325	664	1,025	47,221
Mountrail	935	407	1,104	100	157	341	947	1,143	50,967
Pierce	613	244	1,014	112	167	164	847	980	61,318
Renville	540	183	443	58	110	152	333	1,003	59,904
TOTAL	6,219	2,476	7,289	767	1,212	2,010	6,077	993	55,691
ROW PERCENT	100.0	39.8	100.0		16.6		83.4		
REGION III									
Ramsey	772	445	1,325	171	244	384	1,081	1,018	84,980
Benson	867	376	893	138	227	311	666	999	62,853
Cavalier	1,101	389	852	133	213	305	639	839	72,171
Towner	628	300	768	93	148	262	620	1,007	70,183
Eddy	368	196	540	96	186	117	354	1,041	60,527
Rolette	658	291	790	73	128	266	662	827	46,256
TOTAL	4,394	1,997	5,168	704	1,146	1,645	4,022	941	67,464
ROW PERCENT	100.0	45.4	100.0		22.2		77.8		
REGION IV									
Grand Forks	1,086	558	3,212.	251	512	466	2,700	805	80,778
Nelson	716	391	969	123	186	355	783	883	70,595
Walsh	1,172	542	3,403	251	557	463	2,846	707	81,036
Pembina	944	455	3,007	240	466	404	2,541	720	80,152
TOTAL	3,918	1,946	10,591	865	1,721	1,688	8,870	770	78,837
ROW PERCENT	100.0	49.7	100.0		16.3		83.7		

REGION V									
Cass	1,433	728	2,735	355	636	601	2,099	781	89,852
Traill	786	406	2,176	165	332	360	1,844	690	85,035
Steele	513	311	839	162	227	251	612	927	85,306
Ransom	596	224	564	82	128	202	436	896	68,599
Richland	1,368	590	2,089	239	409	470	1,680	654	77,385
Sargent	628	265	711	120	160	209	551	797	70,210
TOTAL	5,324	2,524	9,114	1,123	1,892	2,093	7,222	764	80,806
ROW PERCENT	100.0	47.4	100.0		20.8		79.2		
REGION VI									
Stutsman	1,219	469	1,333	183	356	376	977	1,132	69,581
Wells	800	348	841	119	192	262	649	1,015	70,769
McIntosh	653	286	600	106	155	230	445	888	52,700
Logan	582	217	640	56	100	190	540	1,032	42,297
Foster	371	147	450	54	116	130	334	1,119	99,841
Dickey	706	357	1,011	134	215	307	796	945	76,322
LaMoure	876	438	1,261	161	303	350	958	816	73,472
Barnes	1,147	575	1,470	198	310	473	1,160	851	71,174
Griggs	511	263	824	81	125	234	699	854	61,665
TOTAL	6,865	3,100	8,430	1,092	1,872	2,554	6,558	959	68,281
ROW PERCENT	100.0	45.2	100.0		22.2		77.8		
REGION VII									
Burleigh	829	306	1,501	77	185	251	1,316	1,001	47,980
McLean	1,270	445	976	100	146	397	830	952	57,557
Sheridan	530	134	250	44	79	95	171	1,048	53,271
Kidder	594	330	1,096	110	210	248	886	1,253	57,090
Emmons	925	345	936	71	146	304	790	943	44,602
Morton	1,032	379	992	109	241	318	751	1,157	47,733
Mercer	579	241	803	54	107	211	696	949	45,819
Oliver	386	167	417	71	109	140	308	1,070	52,443
Grant	744	307	802	105	136	257	666	1,260	52,769
Sioux	226	107	362	29	49	82	313	3,033	50,565
TOTAL	7,115	2,761	8,135	770	1,408	2,303	6,727	1,135	51,018
ROW PERCENT	100.0	38.8	100.0		17.3		82.7		
REGION VIII									
Stark	826	344	889	164	312	240	577	1,011	57,196
Slope	333	134	316	73	111	92	205	2,278	66,028
Hettinger	548	225	507	105	192	156	315	1,404	67,580
Golden Valley	331	102	239	54	83	70	156	1,623	72,418
Dunn	748	339	1,002	151	252	270	750	1,898	49,624
Bowman	414	208	645	58	100	170	545	1,792	64,620
Billings	295	102	292	41	60	79	232	2,576	28,180
Adams	420	176	420	70	129	134	291	1,456	65,620
TOTAL	3,915	1,630	4,310	716	1,239	1,211	3,071	1,643	58,776
ROW PERCENT	100.0	41.6	100.0		28.7				
STATE TOTAL	40,357	17,401	55,427	6,346	10,917	14,363	44,510	1,036	64,505
ROW PERCENT	100.0	43.1	100.0		19.7		80.3		

SOURCE: "1978 Census of Agriculture," AC78-A-34, Vol. 1, Pt. 34, Bureau of the Census, July 1981.

Table 14: Farm/Ranch Operator Characteristics by County, 1978

	Farms	Age						Primary Occupation		Days of Off-Farm Work						
	Total	≤24	25-34	35-44	45-54	55-64	≥65	Farming	Other	None	1-49	50-99	100-149	150-199	≥200	NR
REGION I																
Williams	1,132	62	189	154	264	298	165	874	258	551	155	51	34	42	235	
Divide	671	37	106	82	129	218	99	581	90	382	86	36	33	25	65	
McKenzie	804	22	120	144	156	248	114	659	145	428	101	41	32	21	127	
TOTAL	2,607	121	415	380	549	764	378	2,114	493	1,361	342	128	99	88	427	
ROW PERCENT	100.0	4.6	15.9	14.6	21.1	29.3	14.5	81.1	18.9	52.2	13.1	4.9	3.8	3.4	16.4	6.2
REGION II																
Ward	1,359	70	196	250	325	340	178	1,045	314	648	181	67	53	55	273	
Bottineau	1,077	43	192	184	255	265	138	863	214	554	146	58	48	47	164	
Burke	650	26	89	108	169	155	103	499	151	309	87	28	19	40	119	
McHenry	1,045	57	177	184	226	259	142	852	193	566	107	41	31	53	173	
Mountrail	935	43	143	149	192	261	147	765	170	485	113	43	55	45	127	
Pierce	613	33	96	99	158	148	79	556	57	366	76	31	12	19	53	
Renville	540	37	99	89	106	136	73	464	76	294	58	32	24	24	71	
TOTAL	6,219	309	992	1,063	1,431	1,564	860	5,044	1,175	3,222	768	300	242	283	980	
ROW PERCENT	100.0	5.0	16.0	17.1	23.0	25.1	13.8	81.1	18.9	51.8	12.3	4.8	3.9	4.6	15.6	7.0
REGION III																
Ramsey	772	29	115	131	200	204	93	673	99	423	124	41	35	29	76	
Benson	867	50	144	148	201	201	123	772	95	498	120	40	32	19	81	
Cavalier	1,101	68	200	203	301	226	103	946	155	599	162	67	47	36	103	
Towner	628	35	103	111	135	169	75	571	57	365	106	25	24	19	39	
Eddy	368	17	58	72	92	90	39	326	42	198	85	16	10	17	24	
Rolette	658	28	121	144	136	148	81	465	193	302	67	27	38	28	148	
TOTAL	4,394	27	741	809	1,065	1,038	514	3,753	641	2,355	664	216	186	148	471	
ROW PERCENT	100.0	5.2	16.7	18.4	24.2	23.6	11.7	85.4	14.6	53.6	15.1	4.9	4.2	3.4	10.7	8.1
REGION IV																
Grand Forks	1,086	59	182	198	254	282	111	938	148	603	136	62	64	39	129	
Nelson	716	37	120	128	190	158	83	628	88	412	103	45	26	26	68	
Walsh	1,172	60	168	197	326	288	133	1,029	143	675	155	65	58	49	117	
Pembina	944	69	158	115	255	244	103	823	121	530	147	46	31	40	98	
TOTAL	3,918	225	628	638	1,025	972	430	3,418	500	2,220	541	218	179	154	412	
ROW PERCENT	100.0	5.7	16.0	16.3	26.2	24.8	11.0	87.2	12.8	56.7	13.8	5.6	4.6	3.9	10.5	4.9

REGION V																
Cass	1,433	90	234	281	348	362	118	1,253	180	884	198	58	36	31	149	
Traill	786	46	130	158	185	201	66	690	96	430	141	35	38	25	85	
Steele	513	30	78	82	130	146	47	480	33	334	77	23	25	12	24	
Ransom	596	31	93	106	141	163	62	504	92	327	95	21	20	18	81	
Richland	1,368	92	217	242	356	340	121	1,187	181	854	155	41	52	60	133	
Sargent	628	39	125	105	152	151	56	532	96	357	91	33	21	15	80	
TOTAL	5,324	328	877	974	1,312	1,363	470	4,646	678	3,186	757	211	192	161	552	
ROW PERCENT	100.0	6.3	16.5	18.3	24.6	25.6	8.8	87.3	12.7	59.8	14.2	4.0	3.6	3.0	10.4	5.0
REGION VI																
Stutsman	1,219	73	221	200	310	282	133	1,077	142	761	151	50	28	29	109	
Wells	800	46	104	146	250	192	62	710	90	449	125	41	33	27	68	
McIntosh	653	27	87	122	198	171	48	588	65	424	74	7	22	19	45	
Logan	582	30	103	107	162	132	48	517	65	342	73	17	14	16	64	
Foster	371	18	55	56	110	91	41	321	50	216	50	19	14	6	42	
Dickey	706	44	106	128	173	182	73	614	92	396	111	21	31	21	77	
LaMoure	876	59	140	156	238	200	83	748	128	513	127	30	34	26	101	
Barnes	1,147	71	197	206	213	310	150	1,006	141	724	134	42	39	42	102	
Griggs	511	34	121	79	112	112	53	451	60	300	87	21	21	13	44	
TOTAL	6,865	402	1,134	1,200	1,766	1,672	691	6,032	833	4,125	932	248	236	199	652	
ROW PERCENT	100.0	5.9	16.5	17.5	25.7	24.3	10.1	87.9	12.1	60.1	13.6	3.6	3.4	2.9	9.5	6.9
REGION VII																
Burleigh	829	46	121	232	204	153	73	597	232	405	93	38	26	19	197	
McLean	1,270	47	201	218	310	333	161	1,046	224	694	175	50	37	58	188	
Sheridan	530	17	92	93	148	141	39	466	64	324	64	14	16	21	51	
Kidder	594	37	96	95	176	129	61	504	90	330	91	29	18	27	51	
Emmons	925	44	165	150	250	228	88	802	123	562	95	30	25	32	99	
Morton	1,032	40	160	210	294	250	78	827	205	579	98	30	35	47	167	
Mercer	579	24	102	104	134	152	63	444	135	301	70	12	13	27	109	
Oliver	386	3	80	64	82	103	54	297	89	186	53	14	9	12	75	
Grant	744	31	130	152	170	199	62	657	87	442	117	26	22	19	77	
Sioux	226	7	39	46	49	68	17	184	42	126	32	12	3	8	31	
TOTAL	7,115	296	1,186	1,364	1,817	1,756	696	5,824	1,291	3,949	888	255	204	270	1,045	
ROW PERCENT	100.0	4.1	16.7	19.2	25.5	24.7	9.8	81.9	18.1	55.5	12.5	3.6	2.9	3.8	14.7	7.0
REGION VIII																
Stark	826	52	136	154	191	221	72	660	166	456	102	32	23	34	124	
Slope	333	21	62	46	89	74	41	287	46	206	45	14	9	7	38	
Hettinger	548	28	91	100	154	127	48	484	64	352	64	22	9	16	56	
Golden Valley	331	10	52	54	62	74	79	272	59	177	55	11	14	9	45	
Dunn	748	33	128	115	177	201	94	640	108	416	110	26	20	24	85	
Bowman	414	28	75	49	87	103	72	335	79	214	62	19	16	10	52	
Billings	295	16	45	45	76	73	40	234	61	146	54	9	8	11	44	
Adams	420	15	65	65	99	105	71	343	77	260	42	22	13	15	51	
TOTAL	3,915	203	654	628	935	978	517	3,255	660	2,227	534	155	112	126	495	
ROW PERCENT	100.0	5.2	16.7	16.0	23.9	25.0	13.0	83.1	16.9	56.9	13.6	4.0	2.9	3.2	12.6	6.8
STATE TOTAL	40,357	2,111	6,627	7,056	9,900	10,107	4,556	34,086	6,271	22,645	5,426	1,731	1,271	1,429	5,034	
ROW PERCENT	100.0	5.2	16.4	17.5	24.5	25.1	11.3	84.5	15.5	56.1	13.4	4.3	3.1	3.5	12.5	7.1

SOURCE: "1978 Census of Agriculture," AC78-A-34, Vol. 1, Pt. 34, Bureau of the Census, July 1981.

Table 15: Farm Income for the United States and North Dakota, 1970-1980

	United States (Millions of Dollars)								North Dakota (Millions of Dollars)							
	Cash Receipts From Farm Marketings	Gross Income $	Gross Income % Ch.	Prod. Expenditures $	Prod. Expenditures % Ch.	Income Less Expenditures	Value of Inventory Change	Net Farm Income $	Net Farm Income % Ch.	Cash Receipts From Farm Marketings	Gross Income $	Gross Income % Ch.	Prod. Expenditures $	Prod. Expenditures % Ch.	Income Less Expenditures	Value of Inventory Change	Net Farm Income $	Net Farm Income % Ch.
1970	50,539	58,569	—	44,424	—	14,145	6	14,151	—	776.9	1,008.9	--	703.8	—	305.1	-60.3	244.8	--
1971	52,859	60,603	3.5	47,367	6.6	13,236	1,397	14,633	3.4	837.4	1,047.2	3.8	776.1	10.3	271.2	89.4	360.8	47.4
1972	61,190	70,119	15.7	52,315	10.4	17,804	861	18,665	27.6	1,133.6	1,414.0	35.0	819.8	5.6	594.1	5.4	599.5	66.2
1973	87,068	95,505	36.2	65,562	25.3	29,943	3,406	33,349	78.7	2,151.5	2,357.2	66.7	1,138.8	38.9	1,218.4	280.7	1,499.0	150.0
1974	92,449	99,951	4.7	72,210	10.1	27,741	-1,611	26,130	-21.6	2,426.5	2,562.6	8.7	1,306.6	14.7	1,255.9	-225.0	1,030.9	-31.2
1975	88,209	96,938	-3.0	75,863	5.1	21,075	3,400	24,475	-6.3	1,831.3	1,978.2	-22.8	1,502.0	15.0	476.1	224.9	721.0	-30.1
1976	94,780	104,177	7.5	83,130	9.6	21,048	-2,366	18,682	-23.7	1,678.7	1,839.3	-7.0	1,565.5	4.2	273.7	47.0	320.7	-55.5
1977	96,289	107,713	3.4	90,293	8.6	17,420	971	18,391	-1.6	1,623.8	1,899.3	3.3	1,621.4	3.6	277.9	-246.7	31.2	-90.3
1978	112,924	126,972	17.9	101,087	12.0	25,886	572	26,458	43.7	1,870.0	2,328.2	22.6	1,921.4	18.5	406.8	89.4	496.2	1,490.4
1979	131,916	146,570	15.4	119,217	17.9	27,352	5,345	32,697	23.6	2,340.1	2,600.4	11.7	2,217.4	15.4	383.0	-0.4	382.7	-22.9
1980	136,431	152,512	4.1	130,656	10.9	21,856	-1,997	19,860	-39.3	2,386.4	2,750.8	5.8	2,343.7	5.7	407.1	-318.5	88.6	-76.8

SOURCE: "Economic Indicators of the Farm Sector; State Income and Balance Sheet Statistics, 1980" USDA/ERS Statistical Bulletin 678, Nov. 1981, Table 5.

APPENDIX IV

EMPLOYMENT

Table 16: North Dakota Annual Average Labor Force by Industry, 1977-1981

						Percent Change			
	1977	1978	1979	1980	1981	77-78	78-79	79-80	80-81
TOTAL CIVILIAN LABOR FORCE	309,600	317,240	325,210	329,280	332,380	2.5	2.5	1.3	0.9
Total Unemployment	16,880	13,690	13,060	16,510	16,460	-18.9	-4.6	26.4	-0.3
Rate of Unemployment	5.5	4.3	4.0	5.0	5.0	N/A	N/A	N/A	N/A
Total Employment	292,720	303,550	312,150	312,770	315,920	3.7	2.8	0.2	1.0
Total Ag. Employment	56,750	54,270	52,450	52,680	52,270	-4.4	-3.4	0.4	-0.8
Ag. Self-Employed & Unpaid Family	46,330	44,130	42,520	42,860	42,470	-4.7	-3.6	0.8	-0.9
Ag. Wage & Salary	10,420	10,140	9,930	9,820	9,800	-2.7	-2.1	-1.1	-0.2
Total Nonag. Employment	235,970	249,280	259,700	260,090	263,650	5.6	4.2	0.2	1.4
Nonag., Self-Employed, & Unpaid Family	32,900	34,320	35,030	34,520	34,810	4.3	2.1	-1.5	0.8
Adjusted Wage & Salary	203,070	214,960	224,670	225,570	228,840	5.9	4.5	0.5	1.5
Conceptual Diff.[1/]	-18,020	-19,050	-19,520	-19,650	-19,720	N/A	N/A	N/A	N/A
Total Nonag. Wage & Salary	221,090	234,010	244,190	245,220	248,560	5.8	4.4	0.4	1.4
Mining	3,060	4,250	5,720	7,840	10,850	38.9	34.6	37.1	38.4
Construction	16,450	18,500	18,670	16,500	14,820	12.5	0.9	-11.6	-10.2
Manufacturing	15,300	15,730	16,650	15,570	15,290	2.8	5.8	-6.5	-1.8
Trans., Comm., & Public Utilities	13,760	14,830	16,130	16,780	17,110	7.8	8.8	4.0	2.0
Wholesale Trade	18,750	20,080	21,320	20,630	21,060	7.1	6.2	-3.2	2.1
Retail Trade	43,550	44,650	46,280	46,150	45,230	2.5	3.7	-0.3	-2.0
Finance, Insurance, & Real Estate	9,880	10,480	11,010	11,450	11,750	6.1	5.1	4.0	2.6
Services	42,810	45,530	47,820	49,360	51,940	6.4	5.0	3.2	5.2
Government	57,530	59,960	60,590	60,940	60,510	4.2	1.1	0.6	-0.7

[1/] Total nonagricultural wage and salary employment refers to jobs. Some of these jobs are held by dual job holders. The conceptual difference is an adjustment which converts the number of jobs to the number of people holding these jobs and results in adjusted wage and salary employment.

Table 17: Employment Growth Rates by County, 1977-1981
(Not CPS Adjusted)

	Percent Change			
	1977-78	1978-79	1979-80	1980-81
REGION I				
Williams	11.8	2.2	8.0	15.1
Divide	-1.3	-2.9	-1.0	-1.4
McKenzie	7.1	7.8	10.7	17.6
TOTAL	9.3	2.7	7.6	14.0
REGION II				
Ward	5.3	-3.9	-1.2	0.1
Bottineau	3.4	-1.9	0.9	-2.3
Burke	0.6	-1.1	0.0	-0.3
McHenry	-0.9	4.4	-1.3	-5.0
Mountrail	3.3	1.3	0.6	-5.7
Pierce	-0.1	-1.0	-0.5	-0.8
Renville	1.7	9.8	-5.5	0.5
TOTAL	3.6	-1.2	-0.9	-0.9
REGION III				
Ramsey	2.2	3.6	-2.6	0.2
Benson	3.1	3.5	3.7	-6.9
Cavalier	-8.1	-3.5	-3.8	-2.3
Towner	0.6	2.5	-0.3	0.0
Eddy	3.0	-2.6	-1.7	-5.2
Rolette	1.1	11.4	-0.9	-3.0
TOTAL	0.0	3.1	-1.3	-5.2
REGION IV				
Grand Forks	-7.9	4.7	-1.5	0.2
Nelson	1.1	1.6	-3.0	-0.8
Walsh	-2.0	9.0	-2.9	-3.3
Pembina	0.0	2.5	-2.9	5.7
TOTAL	-5.3	4.9	-2.0	0.5
REGION V				
Cass	6.9	2.6	-0.8	1.3
Traill	2.4	1.0	-0.7	-0.2
Steele	-0.9	2.5	-0.9	-3.1
Ransom	2.1	2.4	1.7	-7.0
Richland	3.2	1.5	1.4	1.1
Sargent	-4.6	-0.7	2.3	3.8
TOTAL	5.1	2.2	-0.3	0.7
REGION VI				
Stutsman	8.8	-0.7	-3.5	-2.3
Wells	1.3	-1.8	4.9	-3.4
McIntosh	0.7	-0.1	0.3	-0.9
Logan	1.3	2.7	-0.7	-3.2
Foster	8.1	-4.3	0.4	-1.5
Dickey	2.5	2.6	0.3	-2.2
LaMoure	0.0	2.3	-0.1	-2.0
Barnes	-0.9	0.8	0.4	-4.0
Griggs	-6.2	-1.2	-2.0	0.4
TOTAL	3.3	-0.1	-0.7	-2.4
REGION VII				
Burleigh	9.5	7.1	2.8	-6.8
McLean	17.4	12.3	-6.4	-11.0
Sheridan	-2.9	-0.4	-0.7	-4.6
Kidder	-1.3	4.2	-0.4	-2.2
Emmons	2.6	1.9	-2.1	-0.6
Morton	12.4	3.1	1.3	19.8
Mercer	17.0	17.4	18.8	11.5
Oliver	-14.5	-19.7	-0.7	11.6
Grant	-0.7	3.0	-1.9	-2.0
Sioux	-7.8	3.7	0.4	3.4
TOTAL	8.7	6.3	2.1	0.0
REGION VIII				
Stark	10.5	4.9	5.7	1.1
Slope	-7.9	3.2	3.8	7.7
Hettinger	0.8	2.4	0.5	-2.6
Golden Valley	-3.5	7.1	-0.2	5.5
Dunn	6.7	12.4	-0.2	8.1
Bowman	7.0	-0.1	-1.5	1.0
Billings	6.7	28.0	25.1	22.8
Adams	3.0	-3.1	-1.2	1.8
TOTAL	6.4	4.8	3.5	5.7
STATE TOTAL	3.7	2.8	0.4	0.8

Table 18: Nonagricultural Job Insurance Covered Wage and Salary Employment by Industry and County, 1980 Annual Average

	Mining	Const.	Mfg.	Trans,[1] Comm,Ut	Whole. Trade	Retail Trade	Fin, Ins,RE	Services	Govt.[2]	Total Number	Total Percent
REGION I											
Williams	2,175	767	481	780	976	2,015	362	1,855	1,225	10,636	
Divide	56	16	8	9	68	164	43	171	179	713	
McKenzie	1,146	218	16	164	145	247	43	429	350	2,758	
TOTAL	3,377	1,001	505	952	1,189	2,426	448	2,455	1,754	14,107	
ROW PERCENT	23.9	7.1	3.6	6.8	8.4	17.2	3.2	17.4	12.4		6.2
REGION II											
Ward	218	1,320	909	930	1,687	4,876	925	4,020	3,868	18,753	
Bottineau	98	81	90	102	197	430	95	415	588	2,096	
Burke	96	15	13	61	80	123	43	42	268	741	
McHenry	41	93	45	113	124	186	58	97	427	1,184	
Mountrail	57	94	87	77	151	388	72	425	558	1,889	
Pierce	2	60	102	86	157	407	76	462	280	1,632	
Renville	84	20	5	31	73	93	26	160	227	719	
TOTAL	596	1,683	1,251	1,400	2,449	6,503	1,296	5,621	6,216	27,015	
ROW PERCENT	2.2	6.2	4.6	5.2	9.1	24.1	4.8	20.8	23.0		11.8
REGION III											
Ramsey	0	258	122	182	375	1,363	185	1,042	1,110	4,637	
Benson	2	66	365	22	121	118	66	272	418	1,450	
Cavalier	1	52	47	101	155	289	90	319	372	1,426	
Towner	0	83	17	55	132	154	59	180	210	890	
Eddy	19	26	10	16	86	155	46	164	198	720	
Rolette	4	157	256	71	108	411	101	662	1,331	3,101	
TOTAL	26	642	817	447	977	2,490	547	2,639	3,639	12,224	
ROW PERCENT	0.2	5.2	6.7	3.6	8.0	20.4	4.5	21.6	29.8		5.4
REGION IV											
Grand Forks	28	1,323	1,219	1,391	1,235	6,134	1,047	4,571	6,105	23,053	
Nelson	0	73	57	32	177	203	68	279	341	1,230	
Walsh	23	240	132	163	351	963	225	721	1,296	4,114	
Pembina	0	119	580	215	219	525	106	572	649	2,985	
TOTAL	51	1,755	1,988	1,801	1,982	7,825	1,446	6,143	8,391	31,382	
ROW PERCENT	0.2	5.6	6.3	5.7	6.3	24.9	4.6	19.6	26.7		13.7
REGION V											
Cass	7	2,591	3,507	2,707	5,508	8,950	3,151	9,341	7,482	43,244	
Traill	6	69	330	125	295	429	136	544	562	2,496	
Steele	0	32	38	48	88	81	49	21	168	525	
Ransom	0	76	80	60	183	385	84	302	355	1,525	
Richland	3	281	1,335	213	431	922	192	661	1,269	5,307	
Sargent	0	46	793	46	101	110	41	84	268	1,489	
TOTAL	16	3,095	6,083	3,199	6,605	10,877	3,653	10,953	10,104	54,586	
ROW PERCENT	0.0	5.7	11.1	5.9	12.1	19.9	6.7	20.1	18.5		23.9
REGION VI											
Stutsman	14	436	1,064	508	557	1,710	453	1,751	1,968	8,461	
Wells	14	68	28	46	239	351	75	333	377	1,531	
McIntosh	0	14	84	24	169	180	59	294	257	1,081	
Logan	0	55	15	5	127	102	25	59	198	566	
Foster	14	96	47	96	161	265	76	473	273	1,501	
Dickey	0	83	141	81	232	404	76	281	407	1,705	
LaMoure	1	32	28	68	238	218	96	126	366	1,173	
Barnes	1	280	136	124	469	939	159	736	939	3,783	
Griggs	0	29	73	25	117	138	55	135	192	764	
TOTAL	44	1,073	1,616	977	2,309	4,307	1,073	4,188	4,977	20,564	
ROW PERCENT	0.2	5.2	7.9	4.8	11.2	20.9	5.2	20.4	24.2		9.0
REGION VII											
Burleigh	280	1,916	1,356	1,981	1,789	5,492	1,275	6,013	5,875	25,977	
McLean	198	405	56	336	231	479	105	532	693	3,035	
Sheridan	1	25	18	2	32	57	56	29	166	366	
Kidder	1	28	18	25	54	78	32	92	221	549	
Emmons	1	106	37	28	118	175	47	174	323	1,009	
Morton	120	675	725	496	571	1,528	244	1,340	1,448	7,147	
Mercer	506	2,246	31	437	159	418	81	458	418	4,734	
Oliver	132	173	3	170	7	31	8	10	140	674	
Grant	14	13	9	18	52	113	40	138	201	598	
Sioux	0	40	28	8	27	36	10	283	420	852	
TOTAL	1,253	5,627	2,281	3,501	3,040	8,407	1,878	9,049	9,905	44,941	
ROW PERCENT	2.8	12.5	5.1	7.8	6.8	18.7	4.2	20.1	22.0		19.7
REGION VIII											
Stark	709	726	576	604	681	2,297	379	2,012	1,314	9,298	
Slope	103	0	0	0	0	13	1	3	49	169	
Hettinger	42	62	30	32	104	165	49	145	238	867	
Golden Valley	87	29	32	19	67	168	58	121	138	699	
Dunn	300	95	7	70	122	135	28	55	252	1,064	
Bowman	250	66	15	37	168	276	57	225	235	1,329	
Billings	458	73	0	0	3	33	0	90	109	766	
Adams	14	58	60	45	152	170	37	294	177	1,007	
TOTAL	1,963	1,109	720	807	1,297	3,257	599	2,945	2,512	15,199	
ROW PERCENT	12.9	7.3	4.7	5.3	8.5	21.4	3.9	19.4	16.5		6.7
MULTI COUNTY	1,338	1,755	940	870	984	170	81	767	1,290	8,175	
ROW PERCENT	16.4	21.2	11.5	10.6	12.0	2.1	1.0	9.4	15.8		3.6
STATE TOTAL	8,664	17,720	16,201	13,954	20,833	46,262	11,011	44,760	48,788	228,193	
ROW PERCENT	3.8	7.8	7.1	6.1	9.1	20.3	4.8	19.6	21.4		100.0

1/ Excludes railroad employment.
2/ Excludes military employment.

Table 19: Nonagricultural Job Insurance Covered Wage and Salary Employment by Industry and County, 1979 Annual Average

	Mining	Const.	Mfg.	Trans.,[1] Comm.,Ut	Whole. Trade	Retail Trade	Fin. Ins.,RE	Services	Govt.[2]	Total Number	Total Percent
REGION I											
Williams	1,348	620	452	571	864	1,802	301	1,602	1,214	8,774	
Divide	48	30	23	13	78	137	38	175	192	734	
McKenzie	752	162	15	102	201	204	44	308	349	2,137	
TOTAL	2,148	812	490	686	1,143	2,143	383	2,085	1,755	11,645	
ROW PERCENT	18.4	7.0	4.2	5.9	9.8	18.4	3.3	17.9	15.1		5.2
REGION II											
Ward	157	1,383	834	884	1,966	4,521	903	4,026	3,905	18,479	
Bottineau	140	105	90	96	202	465	90	409	580	2,177	
Burke	117	23	20	58	84	114	44	57	255	772	
McHenry	35	129	46	131	140	214	57	138	447	1,337	
Mountrail	49	86	60	79	155	396	67	540	570	2,002	
Pierce	0	67	135	67	158	436	69	422	291	1,655	
Renville	55	40	5	25	86	100	21	152	228	712	
TOTAL	553	1,833	1,190	1,340	2,801	6,246	1,251	5,744	6,276	27,234	
ROW PERCENT	2.0	6.7	4.4	4.9	10.3	22.9	4.6	21.1	23.1		12.3
REGION III											
Ramsey	1	286	124	185	378	1,314	197	997	1,114	4,596	
Benson	1	101	443	34	136	125	73	318	433	1,664	
Cavalier	1	84	37	132	185	309	82	324	383	1,537	
Towner	0	49	24	44	148	160	56	186	218	885	
Eddy	35	72	12	19	87	166	51	171	199	812	
Rolette	4	198	245	72	125	421	99	702	1,309	3,175	
TOTAL	42	790	885	486	1,059	2,495	558	2,698	3,656	12,669	
ROW PERCENT	0.3	6.2	7.0	3.8	8.4	19.7	4.4	21.3	28.9		5.7
REGION IV											
Grand Forks	26	1,547	1,380	1,324	1,271	6,103	1,031	4,039	5,978	22,699	
Nelson	1	75	60	40	184	205	60	285	335	1,245	
Walsh	28	306	195	188	376	939	205	705	1,315	4,257	
Pembina	0	180	320	181	233	532	106	423	659	2,634	
TOTAL	55	2,108	1,955	1,733	2,064	7,779	1,402	5,452	8,287	30,835	
ROW PERCENT	0.2	6.8	6.3	5.6	6.7	25.2	4.6	17.7	26.9		13.9
REGION V											
Cass	6	2,925	3,173	2,372	5,234	8,723	2,830	8,274	6,183	39,720	
Traill	8	90	308	129	302	444	122	540	574	2,517	
Steele	0	31	44	48	97	77	45	38	190	570	
Ransom	0	69	251	57	180	402	85	303	397	1,744	
Richland	3	354	1,253	184	428	889	176	666	1,228	5,181	
Sargent	0	42	674	40	107	120	36	89	267	1,375	
TOTAL	17	3,511	5,703	2,830	6,348	10,655	3,294	9,910	8,839	51,107	
ROW PERCENT	0.0	6.9	11.2	5.5	12.4	20.9	6.4	19.4	17.3		23.0
REGION VI											
Stutsman	15	595	1,155	480	632	1,826	410	1,645	1,943	8,701	
Wells	12	101	50	45	238	385	69	291	366	1,557	
McIntosh	1	33	99	22	175	186	60	266	264	1,106	
Logan	0	39	17	13	149	112	23	69	201	623	
Foster	8	115	40	84	139	285	78	288	299	1,336	
Dickey	0	88	214	66	236	371	75	516	416	1,982	
LaMoure	0	46	44	57	274	217	87	124	373	1,222	
Barnes	0	378	186	140	501	998	159	730	947	4,039	
Griggs	0	28	61	18	118	140	49	136	192	742	
TOTAL	36	1,423	1,866	925	2,462	4,520	1,010	4,065	5,001	21,308	
ROW PERCENT	0.2	6.7	8.8	4.3	11.5	21.2	4.7	19.1	23.5		9.6
REGION VII											
Burleigh	262	2,044	1,558	1,911	1,795	5,343	1,184	5,440	5,496	25,033	
McLean	158	1,114	64	281	240	516	99	522	693	3,687	
Sheridan	1	42	22	7	35	72	35	40	173	427	
Kidder	2	27	22	34	60	88	31	99	219	582	
Emmons	3	81	50	31	117	196	41	161	346	1,026	
Morton	72	765	853	527	568	1,549	281	1,535	1,549	7,699	
Mercer	392	1,895	34	356	152	440	67	384	386	4,106	
Oliver	101	114	6	80	18	41	4	49	128	541	
Grant	1	36	10	20	57	125	38	142	205	634	
Sioux	1	22	23	4	29	37	9	251	396	772	
TOTAL	993	6,140	2,642	3,251	3,071	8,407	1,789	8,623	9,591	44,507	
ROW PERCENT	2.2	13.8	5.9	7.3	6.9	18.9	4.0	19.4	21.6		20.0
REGION VIII											
Stark	623	629	602	394	664	2,067	330	1,907	1,235	8,451	
Slope	49	2	0	0	0	12	5	10	40	118	
Hettinger	12	84	41	39	107	170	45	162	250	910	
Golden Valley	75	19	32	19	72	143	35	98	140	633	
Dunn	205	82	5	47	83	122	24	47	269	884	
Bowman	242	65	17	46	157	270	51	209	241	1,298	
Billings	351	96	1	0	81	23	2	11	113	678	
Adams	1	60	32	51	171	171	35	264	181	966	
TOTAL	1,558	1,037	730	596	1,335	2,978	527	2,708	2,469	13,938	
ROW PERCENT	11.2	7.4	5.2	4.3	9.6	21.4	3.8	19.4	17.7		6.3
MULTI COUNTY	265	888	1,172	764	1,111	972	357	1,879	1,454	8,862	
ROW PERCENT	3.0	10.0	13.2	8.6	12.5	11.0	4.0	21.2	16.4		4.0
STATE TOTAL	5,667	18,542	16,633	12,611	21,394	46,195	10,571	43,164	47,328	222,105	
ROW PERCENT	2.6	8.3	7.5	5.7	9.6	20.8	4.8	19.4	21.3		100.0

1/ Excludes railroad employment.
2/ Excludes military employment.

APPENDIX V

EARNINGS AND INCOME

Table 20: Personal Income by Major Sources for the United States and North Dakota, 1979
(Thousands of Dollars)

	United States			North Dakota		
	$	%		$	%	
A. Labor and Proprietors Income by Place of Work						
Labor Income	$1,234,782,682	91.4		$3,135,913	84.5	
Wage and Salary Disbursements 1/	1,234,660,000		83.1	2,912,806		78.5
Other Labor Income	122,682,000		8.3	223,107		6.0
Proprietors Income	127,499,000	8.6		575,873	15.5	
Farm	28,180,000		1.9	253,066		6.8
Non-Farm	99,319,000		6.7	322,807		8.7
Total	$1,484,841,000	100.0		$3,711,786	100.0	
B. Labor and Proprietors Income by Industry						
Private	$1,247,652,000	84.0		$2,947,104	79.4	
Farm	37,394,000		2.5	337,043		9.1
Ag. Serv., For., Fish., & Other 2/	6,214,000		0.4	15,962		0.4
Mining	24,573,000		1.7	132,836		3.6
Construction	90,788,000		6.1	365,648		9.8
Manufacturing	387,670,000		26.1	251,926		6.8
Trans., Comm., & Public Utilities	114,662,000		7.7	348,241		9.4
Wholesale Trade	99,051,000		6.7	357,307		9.6
Retail Trade	147,335,000		9.9	408,496		11.0
Finance, Ins., & Real Estate	86,326,000		5.8	181,002		4.9
Services	253,639,000		17.1	548,643		14.8
Government	237,189,000	16.0		764,682	20.6	
Federal, Civilian	56,431,000		3.8	154,874		4.2
Federal, Military	20,909,000		1.4	154,495		4.2
State and Local	159,849,000		10.9	455,313		12.2
Total	$1,484,841,000	100.0		$3,711,786	100.0	
C. Derivation of Personal Income by Place of Residence						
Labor and Proprietors Income by Place of Work	$1,484,841,000			$3,711,786		
Less: Personal Contributions for Social Insurance	-80,204,000	-5.4		-216,122	-5.8	
Net Labor and Proprietors Income	1,404,637,000			3,495,664		
Plus: Residence Adjustment 3/	-412,000	>0.1		-123,423	-3.5	
Labor and Proprietors Income by Place of Residence	$1,404,225,000			$3,372,241		
D. Other Income and Per Capita Personal Income						
Labor and Proprietors Income	$1,404,225,000	72.9		$3,372,241	66.8	
Plus: Other Income	522,780,000	27.1		1,675,076	33.2	
Dividends, Interst, and Rent 4/	271,760,000		14.1	1,046,426		20.7
Transfer Payments	251,020,000		13.0	628,650		12.5
Total Personal Income by Place of Residence	$1,927,005,000	100.0		$5,047,317	100.0	
Per Capita Personal Income	8,727			7,683		
Total Population (Thousands)	220,062.4			656.9		

1/ Wages and salaries based upon data furnished by individual state bureaus of employment security.
2/ Includes wages and salaries of U.S. residents working for international organizations in the U.S.
3/ Adjustment for border workers: income of U.S. residents working across U.S. borders less income of foreign residents working in the U.S.
4/ Includes the capital consumption adjustment for rental income of persons.

SOURCE: Regional Economics Information System, Bureau of Economic Analysis, April 1981

Table 21: Labor and Proprietors Income for North Dakota, 1965-1979

Year	Percent Distribution				Total		
	Labor Income		Proprietors Income			Percent Change	
	Wage and Salary Disbursements	Other Labor Income	Farm	Non-Farm	(Thousands of dollars)	Current Dollars	Constant 1967 Dollars
1965	61.4	2.4	26.2	10.0	$1,226,198		
1966	62.8	2.5	23.6	11.1	1,250,654	2.0	-0.9
1967	66.0	2.6	20.5	10.8	1,254,071	0.3	-2.6
1968	69.4	2.9	17.1	10.6	1,268,621	1.2	-2.9
1969	65.1	2.8	22.5	9.6	1,451,904	14.4	8.6
1970	72.2	3.3	15.4	9.1	1,475,213	1.6	-4.1
1971	67.3	3.2	21.5	7.9	1,712,215	16.1	11.2
1972	63.1	3.3	27.0	6.6	2,024,657	18.2	14.5
1973	44.5	2.3	46.4	6.7	3,222,047	59.1	49.8
1974	55.1	3.0	34.8	7.0	2,950,618	-8.4	-17.4
1975	63.4	4.0	24.6	8.0	2,924,625	-0.9	-9.2
1976	74.5	5.1	11.4	8.9	2,792,838	-4.5	-9.6
1977	78.2	5.6	7.4	8.8	2,884,065	3.3	-3.1
1978	68.1	5.0	19.0	7.9	3,780,235	31.1	21.8
1979	78.5	6.0	6.8	8.7	3,711,786	-1.8	-11.8

Table 22: Job Insurance Covered Earnings by Industry, 1978-1980 1/

	Thousands of Dollars			Percent Change	
	1978	1979	1980	1978-1979	1979-1980
Mining	73,811	108,274	167,346	46.7	54.6
Construction	275,607	293,909	277,819	6.6	-5.6
Manufacturing	190,800	216,803	217,993	13.6	0.5
TCPU	168,219	198,903	230,754	18.2	16.0
Wholesale Trade	255,364	302,072	310,165	18.3	2.7
Retail Trade	292,227	327,766	344,799	12.2	5.2
FIRE	109,692	123,498	140,157	12.6	13.5
Services	328,688	381,620	430,345	16.1	12.8
Agriculture	15,402	17,635	19,349	14.5	9.7
Government	511,226	547,090	590,522	7.0	7.9
TOTAL*	2,221,036	2,517,570	2,729,248	13.4	8.4
1967 Dollars	1,137,170	1,158,032	1,106,437	1.8	-4.6
Job Insurance Benefits Paid	21,990	23,981	37,153	9.1	54.9

1/Excludes military and railroad earnings.

* Preliminary estimates of 1981 JI wages are 3.1 billion in current dollars. This amount is equal to 1.14 billion constant (1967) dollars and is an increase of 2.9 percent over 1.1 real dollars in 1980.

Table 23: Job Insurance Covered Earnings, Annual Average Employment, and Average Monthly Earnings Per Job, 1979 and 1980

	1979			1980			Percent Change 1979-1980		
	Total Earnings	Average Employment	Average Monthly Earnings Per Job	Total Earnings	Average Employment	Average Monthly Earnings Per Job	Earnings	Employment	Earnings Per Job
REGION I									
Williams	$108,957,281	8,796	$1,032	$156,783,386	10,666	$1,225	$43.9	21.3	$18.7
Divide	6,657,142	737	753	6,965,525	716	811	4.6	-2.8	7.7
McKenzie	30,184,869	2,135	1,178	45,228,860	2,758	1,366	49.8	29.2	16.0
TOTAL	145,799,292	11,668	1,041	208,977,771	14,140	1,232	43.3	21.8	18.3
REGION II									
Ward	205,137,663	18,417	928	224,038,755	18,812	992	9.2	2.1	6.9
Bottineau	21,618,557	2,190	823	22,865,789	2,114	901	5.8	-3.5	9.5
Burke	8,598,342	774	926	9,614,160	775	1,034	11.8	0.1	11.7
McHenry	14,072,384	1,354	867	13,135,573	1,200	912	-6.7	-11.4	5.2
Mountrail	18,014,611	1,985	756	18,757,123	1,897	824	4.1	-4.4	9.0
Pierce	15,103,040	1,659	759	16,157,352	1,635	823	7.0	-1.4	8.4
Renville	6,813,933	700	811	7,937,773	720	919	16.5	2.9	13.3
TOTAL	289,358,530	27,079	890	312,506,525	27,153	959	8.0	0.3	12.9
REGION III									
Ramsey	43,665,011	4,635	785	47,230,309	4,674	842	8.2	0.8	7.3
Benson	14,772,433	1,679	733	14,952,409	1,463	852	0.5	-12.9	16.2
Cavalier	14,918,837	1,560	797	14,700,654	1,483	826	-1.5	-4.9	3.6
Towner	8,269,800	918	751	9,113,400	924	822	10.2	0.7	9.5
Eddy	7,818,185	832	783	6,844,339	737	774	-12.5	-11.4	-1.1
Rolette	31,152,109	3,200	811	32,879,660	3,120	878	5.5	-2.5	8.3
TOTAL	120,596,375	12,824	784	125,720,771	12,401	845	4.2	-3.3	7.8
REGION IV									
Grand Forks	253,132,734	22,905	921	273,335,381	23,267	979	8.0	1.6	6.3
Nelson	11,380,998	1,274	744	11,562,911	1,258	766	1.6	-1.3	3.0
Walsh	42,185,093	4,577	768	43,719,942	4,520	806	3.6	-1.2	4.9
Pembina	29,683,501	2,454	1,008	34,583,805	3,209	898	16.5	30.8	-10.9
TOTAL	336,382,326	31,210	898	363,202,039	32,254	938	8.0	3.3	4.5
REGION V									
Cass	488,804,445	39,817	1,023	572,618,892	43,052	1,008	17.1	8.1	-1.5
Traill	24,817,849	2,573	804	26,565,569	2,566	863	7.0	-0.3	7.3
Steele	6,089,692	571	889	6,107,862	533	955	0.3	-6.7	7.4
Ransom	16,020,253	1,789	747	14,501,315	1,569	770	-9.5	-12.3	3.1
Richland	54,218,134	5,253	860	59,638,328	5,386	923	10.0	2.5	7.3
Sargent	15,763,632	1,302	1,008	18,717,870	1,507	1,035	18.7	15.7	2.7
TOTAL	605,722,705	51,305	984	698,149,836	54,613	1,065	15.3	6.4	8.3
REGION VI									
Stutsman	94,922,495	8,700	909	98,120,664	8,529	959	3.4	-2.0	5.5
Wells	14,529,564	1,584	764	14,685,171	1,565	782	1.1	-1.2	2.4
McIntosh	7,929,395	1,114	593	8,226,018	1,088	630	3.7	-2.3	6.2
Logan	4,755,616	624	635	4,583,868	573	667	-3.6	-8.2	5.0
Foster	12,519,953	1,367	763	13,576,790	1,340	844	8.4	-2.0	10.6
Dickey	16,796,666	1,999	700	17,356,993	1,939	746	3.3	-3.0	6.6
LaMoure	10,470,546	1,180	739	10,437,297	1,179	738	-0.3	-0.1	-0.1
Barnes	39,511,658	4,052	813	38,497,729	3,802	844	-2.7	-6.2	3.8
Griggs	7,110,846	751	790	7,464,318	773	805	5.0	2.9	1.9
TOTAL	208,546,739	21,371	813	212,948,848	20,788	854	2.1	-2.7	5.0
REGION VII									
Burleigh	303,486,214	25,173	1,005	342,565,148	26,144	1,092	12.9	3.9	8.6
McLean	51,131,624	3,696	1,153	40,345,391	3,050	1,103	-21.1	-17.5	-4.3
Sheridan	3,575,501	427	698	3,118,739	366	710	-12.8	-14.3	1.7
Kidder	4,852,067	586	690	5,156,642	552	779	6.3	-5.8	12.9
Emmons	8,250,352	1,034	665	9,623,767	1,017	788	16.6	-1.6	18.5
Morton	83,684,765	7,705	905	86,044,699	7,160	1,001	2.8	-7.1	10.6
Mercer	68,022,751	4,096	1,384	85,142,316	4,724	1,502	25.2	15.3	8.5
Oliver	8,042,984	534	1,251	13,076,544	677	1,609	62.6	26.8	28.6
Grant	5,416,339	636	709	5,395,882	602	747	-0.4	-5.3	5.4
Sioux	8,667,943	772	936	10,206,483	852	998	17.7	10.4	6.6
TOTAL	545,130,540	44,659	1,017	600,675,611	45,144	1,109	10.2	1.1	9.0
REGION VIII									
Stark	89,624,898	8,480	881	112,652,139	9,292	1,010	25.7	9.6	14.6
Slope	1,213,308	118	859	2,397,990	171	1,167	97.6	44.9	35.9
Hettinger	7,881,849	910	722	8,456,307	855	804	4.8	-6.0	11.4
Golden Valley	6,099,521	643	791	6,975,880	702	828	14.3	9.2	4.7
Dunn	9,672,619	849	907	15,265,047	1,064	1,196	57.8	19.7	31.9
Bowman	14,163,435	1,303	906	14,868,408	1,333	930	5.0	2.3	2.6
Billings	10,486,407	678	1,288	17,343,081	926	1,561	65.4	36.6	21.2
Adams	9,817,113	982	833	11,220,166	1,024	913	14.3	4.3	9.6
TOTAL	148,959,150	14,003	887	188,976,978	15,367	1,025	26.9	9.7	15.6
REGION TOTALS	$2,400,495,657	214,119	$934	$2,711,158,380	221,860	$1,018	$12.9	3.6	$9.0
MULTI-COUNTY	$ 117,074,714	10,688	$913	$ 27,486,517	1,823	$1,256	$-76.5	-82.9	$37.6
STATE TOTAL	$2,517,570,371	224,807	$933	$2,738,644,897	223,683	$1,020	$8.8	-0.5	$9.4

APPENDIX VI

OCCUPATION

Table 24: Occupations of Employed Persons by Age and Sex for the United States, 1981 (In Thousands)

SEX: Both Sexes

Occupation	Age 16-24 N	16-24 %	25-44 N	25-44 %	45+ N	45+ %	Total N	Total %
PROFESSIONAL, TECH., KIND.	1,869	8.8	9,879	20.4	4,671	15.2	16,419	16.3
Engineers	135		820		582		1,537	
MDs, Dentists, & Related	24		573		332		828	
Other Health Workers	356		1,425		516		2,297	
Teachers, Exclud. College	244		2,043		910		3,197	
Engineers, Sci., & Tech.	255		633		253		1,141	
Other Salaried Profess.	819		4,066		1,783		6,668	
Other Self-Employed Profess.	38		418		294		751	
NONFARM MANAGERS & ADMIN.	863	4.0	6,027	12.5	4,650	15.1	11,540	11.6
Manufacturing Salaried	61		856		649		1,566	
Other Salaried	740		4,272		2,999		8,011	
Retail Self-Employed	28		374		468		870	
Other Self-Employed	34		524		535		1,093	
SALES WORKERS	1,482	6.9	2,840	5.9	2,104	6.8	6,425	6.4
Retail Trade	1,118		1,129		1,015		3,262	
Other Industries	364		1,709		1,089		3,162	
CLERICAL AND KINDRED	4,880	22.9	8,624	17.9	5,061	16.5	18,564	18.5
Bookkeepers	316		913		732		1,961	
Office Machine Operators	293		512		162		966	
Secretaries, Steno, & Typ.	1,222		2,493		1,306		5,022	
Other Clerical	3,048		4,705		2,862		10,615	
CRAFTSMEN, FOREMEN, & KIND.	2,078	9.7	6,593	13.6	3,990	13.0	12,662	12.6
Carpenters	225		591		305		1,122	
Other Construction Crafts	479		1,327		787		2,593	
Foremen NEC	126		956		734		1,816	
Machinists, Job Setters	117		344		206		668	
Other Metal Workers	75		321		230		626	
Automobile Mechanics	315		645		290		1,249	
Other Mechanics	337		1,160		662		2,159	
Other Crafts	404		1,250		775		2,430	
NONTRANSPORT OPERATIVES	2,544	11.9	4,994	10.3	3,001	9.8	10,540	10.5
Mine Workers	111		188		57		357	
Motor Veh. Equip. Manuf.	62		258		133		452	
Other Durable Goods Manuf.	922		2,050		1,181		4,153	
Nondurable Goods Manuf.	732		1,577		1,030		3,339	
All Other Operatives	717		921		601		2,240	
TRANSPORT EQUIPMENT OPERATIVES	629	2.9	1,793	3.7	1,054	3.4	3,476	3.5
Delivery Drivers	513		1,527		925		2,966	
All Other	116		265		129		511	
NONFARM LABOR	2,008	9.4	1,590	3.3	985	3.2	4,583	4.6
Construction	322		300		175		797	
Manufacturing	324		411		250		986	
All Other	1,362		878		560		2,800	
PRIVATE HOUSEHOLD	303	1.4	271	0.6	474	1.5	1,047	1.0
SERVICE WORKERS	4,070	19.1	4,758	9.8	3,562	11.6	12,391	12.3
Cleaning	601		830		1,058		2,489	
Food Services	2,289		1,383		1,009		4,682	
Health Services	546		922		528		1,995	
Personal Services	435		823		508		1,766	
Protective Services	199		801		460		1,459	
FARMERS AND FARM MANAGERS	102	0.5	518	1.1	865	2.8	1,485	1.5
FARM LABOR & FOREMEN	519	2.4	440	0.9	306	1.0	1,265	1.3
Paid Labor & Foremen	425		362		223		1,011	
Unpaid Labor & Foremen	95		78		83		256	
TOTAL	21,347	99.9	48,325	100.0	30,724	99.9	100,397	100.0
ROW PERCENT	21.3		48.1		30.6		100.0	

SOURCE: Current Population Survey Annual Averages; totals may not sum due to rounding.

(Table 24, continued)

SEX: Female

Occupation	Age 16-24 N	16-24 %	25-44 N	25-44 %	45+ N	45+ %	Total N	Total %
PROFESSIONAL, TECH., KIND.	996	9.9	4,506	22.0	1,817	14.5	7,319	17.0
Engineers	18		38		10		67	
MDs, Dentists, & Related	12		78		28		119	
Other Health Workers	298		1,230		468		1,996	
Teachers, Exclud. College	190		1,431		636		2,257	
Engineers, Sci., & Tech.	62		110		42		214	
Other Salaried Profess.	400		1,501		561		2,462	
Other Self-Employed Profess.	15		117		72		204	
NONFARM MANAGERS & ADMIN.	368	3.7	1,645	8.0	1,154	9.2	3,168	7.4
Manufacturing Salaried	22		138		75		235	
Other Salaried	332		1,293		811		2,437	
Retail Self-Employed	3		127		175		310	
Other Self-Employed	5		87		93		185	
SALES WORKERS	848	8.5	1,140	5.6	927	7.4	2,916	6.8
Retail Trade	704		681		687		2,072	
Other Industries	144		460		240		844	
CLERICAL AND KINDRED	3,983	39.7	7,009	34.3	3,947	31.5	14,938	34.7
Bookkeepers	285		845		656		1,786	
Office Machine Operators	217		370		124		711	
Secretaries, Steno, & Typ.	1,202		2,460		1,278		4,939	
Other Clerical	2,278		3,335		1,888		7,502	
CRAFTSMEN, FOREMEN, & KIND.	144	1.4	436	2.1	223	1.8	802	1.9
Carpenters	8		11		3		21	
Other Construction Crafts	14		24		9		48	
Foremen NEC	21		114		71		206	
Machinists, Job Setters	4		14		10		27	
Other Metal Workers	3		17		7		27	
Automobile Mechanics	1		5		1		6	
Other Mechanics	8		35		13		55	
Other Crafts	84		217		108		410	
NONTRANSPORT OPERATIVES	783	7.8	1,948	9.5	1,459	11.7	4,190	9.7
Mine Workers	2		3		0		6	
Motor Veh. Equip. Manuf.	10		46		30		87	
Other Durable Goods Manuf.	276		741		465		1,483	
Nondurable Goods Manuf.	359		891		685		1,935	
All Other Operatives	134		265		279		679	
TRANSPORT EQUIPMENT OPERATIVES	45	0.5	187	0.9	77	0.6	309	0.7
Delivery Drivers	39		172		74		285	
All Other	6		14		4		24	
NONFARM LABOR	201	2.0	211	1.0	115	0.9	527	1.2
Construction	6		10		1		16	
Manufacturing	39		65		43		147	
All Other	156		137		71		363	
PRIVATE HOUSEHOLD	285	2.8	263	1.3	461	3.7	1,010	2.4
SERVICE WORKERS	2,287	22.8	2,898	14.2	2,147	17.1	7,332	17.0
Cleaning	165		360		436		961	
Food Services	1,315		993		793		3,101	
Health Services	471		818		491		1,780	
Personal Services	308		649		385		1,342	
Protective Services	29		78		42		148	
FARMERS AND FARM MANAGERS	8	0.1	69	0.3	92	0.7	168	0.4
FARM LABOR & FOREMEN	79	0.8	134	0.7	108	0.9	322	0.8
Paid Labor & Foremen	58		66		33		157	
Unpaid Labor & Foremen	22		68		75		165	
TOTAL	10,029	100.0	20,446	99.9	12,525	100.0	43,000	
ROW PERCENT	23.3		47.6		29.1		100.0	

SOURCE: Current Population Survey Annual Averages; totals may not sum due to rounding.

(Table 24, continued)

SEX: Male

Occupation	Age 16-24 N	%	25-44 N	%	45+ N	%	Total N	%
PROFESSIONAL, TECH., KIND.	874	7.7	5,373	19.3	2,854	15.7	9,100	15.8
Engineers	115		782		572		1,470	
MDs, Dentists, & Related	11		394		304		709	
Other Health Workers	58		195		49		301	
Teachers, Exclud. College	55		611		274		940	
Engineers, Sci., & Tech.	193		523		211		927	
Other Salaried Profess.	418		2,566		1,222		4,206	
Other Self-Employed Profess.	24		302		222		547	
NONFARM MANAGERS & ADMIN.	494	4.4	4,382	15.7	3,496	19.2	8,372	14.6
Manufacturing Salaried	38		719		574		1,330	
Other Salaried	408		2,979		2,187		5,574	
Retail Self-Employed	20		247		292		560	
Other Self-Employed	29		437		442		908	
SALES WORKERS	633	5.6	1,698	6.1	1,177	6.4	3,509	6.1
Retail Trade	414		450		328		1,191	
Other Industries	219		1,250		849		2,318	
CLERICAL AND KINDRED	896	7.9	1,615	5.8	1,114	6.1	3,626	6.3
Bookkeepers	30		68		76		175	
Office Machine Operators	75		142		38		256	
Secretaries, Steno, & Typ.	21		34		27		82	
Other Clerical	770		1,370		973		3,113	
CRAFTSMEN, FOREMEN, & KIND.	1,934	17.1	6,156	22.1	3,768	20.7	11,859	20.7
Carpenters	218		581		302		1,101	
Other Construction Crafts	464		1,302		778		2,545	
Foremen NEC	105		842		663		1,610	
Machinists, Job Setters	114		330		197		640	
Other Metal Workers	71		305		223		599	
Automobile Mechanics	314		639		289		1,241	
Other Mechanics	329		1,125		650		2,104	
Other Crafts	320		1,033		667		2,020	
NONTRANSPORT OPERATIVES	1,762	15.6	3,046	10.9	1,542	8.5	6,350	11.1
Mine Workers	109		185		57		350	
Motor Veh. Equip. Manuf.	51		211		102		365	
Other Durable Goods Manuf.	646		1,309		716		2,670	
Nondurable Goods Manuf.	373		686		345		1,404	
All Other Operatives	583		655		322		1,561	
TRANSPORT EQUIPMENT OPERATIVES	584	5.2	1,606	5.8	977	5.4	3,167	5.5
Delivery Drivers	474		1,355		852		2,681	
All Other	110		251		125		487	
NONFARM LABOR	1,807	16.0	1,380	4.9	870	4.8	4,056	7.1
Construction	317		291		174		781	
Manufacturing	285		346		207		839	
All Other	1,206		742		489		2,437	
PRIVATE HOUSEHOLD	16	0.1	7	<0.1	13	0.1	38	0.1
SERVICE WORKERS	1,763	15.7	1,861	6.7	1,415	7.8	5,059	8.8
Cleaning	435		470		622		1,528	
Food Services	974		391		216		1,581	
Health Services	76		103		37		215	
Personal Services	127		174		123		424	
Protective Services	170		724		418		1,311	
FARMERS AND FARM MANAGERS	94	0.8	450	1.6	773	4.2	1,317	2.3
FARM LABOR & FOREMEN	440	3.9	306	1.1	198	1.1	943	1.6
Paid Labor & Foremen	367		296		190		854	
Unpaid Labor & Foremen	73		10		8		89	
TOTAL	11,319	100.0	27,879	100.0	18,199	100.0	57,397	100.0
ROW PERCENT	19.7		48.6		31.7		100.0	

SOURCE: Current Population Survey Annual Averages; totals may not sum due to rounding.

Table 25: Summary of Occupational Employment Statistics for Mining, Construction, and Manufacturing in North Dakota

Occupation	Mining (1976:II) N	Mining (1976:II) %	Construction (1978:II) N	Construction (1978:II) %	Manufacturing (1978:II) N	Manufacturing (1978:II) %
Managers & Officers	130	5.0	1,695	7.7	1,094	7.2
Professional	111	4.3	452	2.1	802	5.3
Elem/PreSchool Teacher	--		--		--	
Nurse, Registered	--		--		--	
Physician &/or Surgeon	--		--		--	
Announcer	--		--		--	
Technical	37	1.4	119	0.5	156	1.0
Bio Sci Technician	--		--		4	
Electric & Electronic Tech	2		34		7	
Services	16	0.6	237	1.1	357	2.4
Nurse Aide/Orderly	--		--		--	
Waiter/Waitress	--		--		--	
Kitchen Helper	--		--		--	
Food Preparation Worker	--		--		20	
Janitors, Porters, & Cleaners	11		216		300	
Maintenance & Production	2,147	82.7	18,123	82.9	10,500	69.4
Carpenter	1		2,815		43	
Heavy Equip Operator	290		1,729		48	
Truck Driver	206		796		736	
Line Installer Repairer	--		408		--	
Automotive Mechanic	60		110		98	
Stock Clerk, Sales Floor	--		--		--	
Aircraft Mechanic	--		--		--	
Bus Driver	--		--		--	
Motion Pic Project	--		--		--	
Clerical	148	5.7	1,130	5.2	1,578	10.4
Teller	--		--		--	
Postal Dist Worker	--		--		--	
General Clerk	28		342		307	
Secretary	28		256		218	
Telephone Operator	--		--		--	
Sales	6	0.2	118	0.5	652	4.3
Sales Clerk	--		--		538	
Sales Agent/Rep	6		118		114	
Sales Agent/Insurance	--		--		--	
TOTAL	2,595	99.9	21,874	100.0	15,139	100.0

Table 26: Summary of Occupational Employment Statistics for Transportation, Communications, and Public Utilities; Wholesale Trade; and Retail Trade in North Dakota

Occupation	Trans., Comm., and Public Util. (1979:II) N	%	Wholesale Trade (1976:II) N	%	Retail Trade (1976:II) N	%
Managers & Officers	1,144	8.5	2,046	11.3	4,208	9.6
Professional	893	6.6	449	2.5	1,166	2.7
Elem/PreSchool Teacher	--		--		--	
Nurse, Registered	--		--		--	
Physician &/or Surgeon	--		--		--	
Announcer	169		--		--	
Technical	316	2.4	315	1.7	1,000	0.2
Bio Sci Technician	--		--		--	
Electric & Electronic Tech	--		267		8	
Services	137	1.0	434	2.4	13,454	30.8
Nurse Aide/Orderly	--		--		--	
Waiter/Waitress	--		14		5,099	
Kitchen Helper	--		--		1,075	
Food Preparation Worker	--		5		1,610	
Janitors, Porters, & Cleaners	99		374		874	
Maintenance & Production	7,668	57.1	7,428	41.1	9,449	21.6
Carpenter	--		196		96	
Heavy Equip Operator	140		--		--	
Truck Driver	1,512		910		591	
Line Installer Repairer	524		--		--	
Automotive Mechanic	56		1,111		1,585	
Stock Clerk, Sales Floor	--		--		1,382	
Aircraft Mechanic	17		--		--	
Bus Driver	213		--		--	
Motion Pic Project	--		--		--	
Clerical	3,015	22.5	4,541	25.1	6,333	14.5
Teller	--		--		--	
Postal Dist Worker	--		--		--	
General Clerk	285		946		715	
Secretary	227		283		153	
Telephone Operator	432		--		--	
Sales	256	1.9	2,881	15.9	9,033	20.6
Sales Clerk	--		757		6,182	
Sales Agent/Rep	216		2,079		2,778	
Sales Agent/Insurance	--		--		--	
TOTAL	13,429	100.0	18,094	100.0	43,743	100.0

Table 27: Summary of Occupational Employment Statistics for Finance, Insurance, and Real Estate; Services; and Hospitals in North Dakota

Occupation	Finance, Insurance, and Real Estate (1976:II) N	%	Services (1978:II) N	%	Hospitals (1980:II) N	%
Managers & Officers	2,138	23.1	2,200	7.4	544	4.2
Professional	616	6.7	3,369	11.3	3,592	27.9
Elem/PreSchool Teacher	--		15		--	
Nurse, Registered	3		685		2,794	
Physician &/or Surgeon	--		395		93	
Announcer	--		--		--	
Technical	55	0.6	2,043	6.9	2,255	17.5
Bio Sci Technician	--		1		--	
Electric & Electronic Tech	--		367		--	
Services	566	6.1	12,886	43.2	4,406	34.2
Nurse Aide/Orderly	--		1,968		2,035	
Waiter/Waitress	--		1,568		72	
Kitchen Helper	--		936		318	
Food Preparation Worker	56		159		--	
Janitors, Porters, & Cleaners	244		2,812		137	
Maintenance & Production	197	2.1	3,637	12.2	635	4.9
Carpenter	27		62		--	
Heavy Equip Operator	--		--		--	
Truck Driver	19		30		7	
Line Installer Repairer	--		--		--	
Automotive Mechanic	--		132		--	
Stock Clerk, Sales Floor	--		--		--	
Aircraft Mechanic	--		--		--	
Bus Driver	--		12		--	
Motion Pic Project	--		238		--	
Clerical	4,530	49.0	5,262	17.6	1,441	11.2
Teller	1,169		--		--	
Postal Dist Worker	--		--		--	
General Clerk	331		524		38	
Secretary	441		1,044		195	
Telephone Operator	--		--		--	
Sales	1,151	12.4	408	1.4	1	<0.1
Sales Clerk	8		215		--	
Sales Agent/Rep	55		168		--	
Sales Agent/Insurance	922		--		--	
TOTAL	9,253	100.0	29,805	100.0	12,874	99.9

Table 28: Summary of Occupational Employment Statistics for State Government, Local Government, and Educational Services in North Dakota

Occupation	State Government (1979:II) N	%	Local Government (1979:II) N	%	Educational Services* (1978:III) N	%
Managers & Officers	810	12.1	7,657	40.3	1,166	4.6
Professional	2,219	33.3	2,759	14.5	13,275	52.1
Elem/PreSchool Teacher	--		--		5,428	
Nurse, Registered	76		64		99	
Physician &/or Surgeon	42		8		--	
Announcer	--		--		--	
Technical	502	7.5	117	0.6	660	2.6
Bio Sci Technician	--		--		--	
Electric & Electronic Tech	--		9		--	
Services	1,123	16.8	2,101	11.0	3,692	14.5
Nurse Aide/Orderly	58		--		--	
Waiter/Waitress	--		--		--	
Kitchen Helper	--		--		1,421	
Food Preparation Worker	3		6		--	
Janitors, Porters, & Cleaners	114		262		1,548	
Maintenance & Production	722	10.8	3,108	16.3	2,654	10.4
Carpenter	16		--		35	
Heavy Equip Operator	--		417		--	
Truck Driver	336		133		--	
Line Installer Repairer	--		--		--	
Automotive Mechanic	40		46		45	
Stock Clerk, Sales Floor	--		--		--	
Aircraft Mechanic	--		--		--	
Bus Driver	--		31		1,924	
Motion Pic Project	--		--		--	
Clerical	1,293	19.4	3,264	17.2	4,040	15.8
Teller	--		--		--	
Postal Dist Worker	--		--		--	
General Clerk	322		410		845	
Secretary	215		292		1,326	
Telephone Operator	--		--		--	
Sales	3	<0.1	10	0.1	7	<0.1
Sales Clerk	--		10		--	
Sales Agent/Rep	3		--		5	
Sales Agent/Insurance	--		--		--	
TOTAL	6,672	99.9	19,016	100.0	25,494	100.0

*Includes private education (SIC 82)

Table 29: Summary of Occupational Employment Statistics for Federal Government in North Dakota, (October) 1977 and 1980

Occupation	Federal Government 1977 N	1977 %	1980 N	1980 %	1977-80 Change N	1977-80 Change %
Managers & Officers	1,229	14.0	1,388	16.2	159	13.0
Professional	1,217	13.8	1,377	16.1	160	13.1
Elem/PreSchool Teacher	--		2		--	
Nurse, Registered	144		173		--	
Physician &/or Surgeon	44		63		--	
Announcer	--		--		--	
Technical	874	9.9	887	10.4	13	1.5
Bio Sci Technician	355		312		--	
Electric & Electronic Tech	54		63		--	
Services	568	6.4	499	5.8	-69	-12.1
Nurse Aide/Orderly	119		113		--	
Waiter/Waitress	-		--		--	
Kitchen Helper	--		--		--	
Food Preparation Worker	98		133		--	
Janitors, Porters, & Cleaners	113		104		--	
Maintenance & Production	1,503	17.1	1,295	15.1	-208	-13.8
Carpenter	56		41		--	
Heavy Equip Operator	106		104		--	
Truck Driver	79		68		--	
Line Installer Repairer	--		17		--	
Automotive Mechanic	85		70		--	
Stock Clerk, Sales Floor	31		1		--	
Aircraft Mechanic	87		91		--	
Bus Driver	--		--		--	
Motion Pic Project	--		--		--	
Clerical	3,379	38.4	3,082	36.0	-297	-8.8
Teller	--		--		--	
Postal Dist Worker	1,380		1,374		--	
General Clerk	597		426		--	
Secretary	188		151		--	
Telephone Operator	--		--		--	
Sales	33	0.4	33	0.4	0	0.0
Sales Clerk	33		33		--	
Sales Agent/Rep	--		--		--	
Sales Agent/Insurance	--		--		--	
TOTAL	8,803	100.0	8,561	100.0	-242	-2.7

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